

---

**SUB HEAD : 6.0**  
**BRICK WORK**

---

## BCD Analysis of Rates 2022

### BUILDING WORK 6.0 (A) BRICK WORK

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :					
6.1.12A	Cement mortar 1:4 (1 cement: 4 coarse sand )					
	Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100A	thousand	0.494	4852.000	(2602)	2396.888
	Cement mortar 1:4	cum	0.250	2256.97	(2113)	564.243
	Carriage of bricks	1000 nos	0.494	0.000	(2201)	0.000
	Sundries	1 time	2.730	2.120	(9999)	5.788
	Labour:					
	mason 1st class	per day	0.360	413.000	(0123)	148.680
	mason IInd class	per day	0.360	369.000	(0124)	132.840
	Coolie	per day	1.370	318.000	(0115)	435.660
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					3750.498
	Add for water charges @ 1 %					37.505
	Total					3788.003 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					532.21
	Total					4320.22 (Y)
	Add 15% for contractor's profit and overheads on "Y"					648.03
	Cost of 1 cum					4968.25
	Add labour cess @ 1%					49.680
	Rate including labour cess					5017.931
	Say			Rs.5017.90		per cum
6.1.14A	Cement mortar 1:6 (1 cement: 6 coarse sand ) Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100A	thousand	0.494	4852.000	(2602)	2396.89
	Cement mortar 1:6	cum	0.250	1664.988	(2115)	416.25
	Carriage of bricks	1000 nos.	0.494	0.000	(2201)	0.00
	Sundries	1 time	2.730	2.120	(9999)	5.79
	Labour :					
	mason 1st class	per day	0.360	413.000	(0123)	148.68
	mason IInd class	per day	0.360	369.000	(0124)	132.84
	Coolie	per day	1.370	318.000	(0115)	435.66
	Bhishti	per day	0.200	332.000	(0101)	66.40
	Total					3602.50
	Add for water charges @ 1 %					36.03
	Total					3638.53 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					511.21
	Total					4149.74 (Y)
	Add 15% for contractor's profit and overheads on "Y"					622.46
	Cost of 1 cum					4772.20
	Add labour cess @ 1%					47.72
	Rate including labour cess					4819.92
	Say			Rs.4819.90		per cum

Handwritten marks: a large 'X' and some illegible scribbles.

Handwritten signature.

Handwritten mark: a circle with a dot inside.

265

Handwritten signature.

BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.3A	<b>Extra for Brick work in superstructure above plinth level upto floor V cum</b>					
	Details of cost for 1 cum					
	Labour:					
	mason 1st class	per day	0.110	413.000	(0123)	45.430
	mason IInd class	per day	0.110	369.000	(0124)	40.590
	Coolie	per day	0.430	318.000	(0115)	136.740
	Sundries Scaffolding	1 time	22.360	2.120	(9999)	47.403
	Extra Labour element required for lifting of materials (Above floor two level upto floor V level.) $0.75 \times 1.5 = 1.13$					
	Coolie	per day	1.130	318.000	(0115)	359.340
	Total					629.503
	Add for water charges @ 1 %					6.295
	Total					635.798 (X)
	Add GST 12% on "X" ( multiplying factor 0.1405)					89.33
	Total					725.13 (Y)
	Add 15% for contractor's profit and overheads on "Y"					108.77
	Cost or 1 cum					833.90
	Add labour cess @ 1%					8.340
	Rate including labour cess					842.237
	<b>Say</b>			<b>Rs.842.20</b>	<b>per cum</b>	
6.4A	<b>Extra for brick work in superstructure above floor V level for each four floors or part thereof. Detail cost for per cum per floor V level Extra labour element required for lifting of materials <math>.75 \times 2.00 = 1.50</math></b>					
	Coolies	per day	1.500	318.000	(0115)	477.000
	Add for water charges @ 1 %					4.770
	Total					481.770 (X)
	Add GST 12% on "X" ( multiplying factor 0.1405)					67.69
	Total					549.46 (Y)
	Add 15% for contractor's profit and overheads on "Y"					82.42
	Cost of 1 cum					631.88
	Add labour cess @ 1%					6.32
	Rate including labour cess					638.20
	<b>Say</b>			<b>Rs.638.20</b>	<b>per cum</b>	
6.11A	<b>Extra for forming cavity 5cm to 7.5cm wide in cavity wall with necessary weep and vent holes including use of cores and cast of providing and fixing bitumanstic coted m.s. toles 300mm long of 25mmx3mm section at not less than 3 tiles per sqm as per approved design.</b>					
	Details of cost for 10 sqm					
	Materials:					
	mild steel_25 mm* 3 mm section 30 cm long 30 no = 9 metres @ 0.6 Kg/m=5.40 Kg.	quintal	0.054	4850.000	(1008)	261.900
	Painting the steel bitumen	1 time	13.520	2.120	(9999)	28.662
	Carriage of mild steel	tonne	0.005	145.720	(2205)	0.729
	Extra labour for keeping cavity clear and fixing wall ties and delay caused :					
	mason 1st class .	per day	0.370	413.000	(0123)	152.810
	mason IInd class	per day	0.370	369.000	(0124)	136.530
	Beldar	per day	0.920	306.000	(0114)	281.520

BCD/SOR\_11<sup>th</sup> Edition... 2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add for use of core	1 time	4.550	2.120	(9999)	9.646
	Total					871.797
	Add for water charges @ 1 %					8.718
	Total					880.515 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					123.71
	Total					1004.23 (Y)
	Add 15% for contractor's profit and overheads on "Y"					150.63
	Cost of 10 sqm					1154.861
	Cost of 1 sqm					115.486
	Add labour cess @ 1%					1.150
	Rate including labour cess					116.636
	<b>Say</b>			<b>Rs.116.60</b>	<b>per sqm</b>	

**6.12A Providing half brick masonry with bricks of class designation 100A in cement mortar 1:3 (1 cement: 3 coarse sand) in superstructure for closing cavity 5 to 7.5 cm wide in cavity wall complete with 10cmm/11.4cm wide bitumen felt type 3 grade 1 .**

**Details of cost for 10 m. length**

**Materials:**

Half brick masonry 1:3 (average) 1x10x0.257	=2.57				
sqm	sqm	2.57	705.039	(6.18.3A	1809.130 (A)
				+6.19A)	

Bitumen felt type - 3 grade 1  
1x10cmmx11.4 m = 1.14sqm

Add for wastage and overlapping @ 5 %  
= 0.06sqm

TotalL = 1.20sqm	sqm	1.200	70.000	(0322)	84.000 (B)
------------------	-----	-------	--------	--------	------------

**Labour:**

mason 1st class	per day	0.120	413.000	(0123)	49.560 (B)
mason lind class	per day	0.120	369.000	(0124)	44.280 (B)
Belder	per day	0.060	306.000	(0114)	18.360 (B)
<b>Total</b>					196.200

Add for water charges @ 1 % on B

Total 1.962

Add GST 12% on "X"( multiplying factor 0.1405) 27.84

Total 226.00 (Y)

Add for contractor's profit and overheads at 15 % on "Y" 33.901

Total 259.904

Cost of 10 m 2069.034

Cost of 1 m 206.903

Add labour cess @ 1% 2.070

Rate including labour cess 208.973

**Say Rs.209.00 per sqm**

**5.13A Brick work 7cm thick with brick of class designation 100A cement mortar 1:3 (1 cement: 3 coarse sand) in super structure**

Details of cost for 10 sqm

P x L 2 B @ 267 P A B



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Materials: Brick of class designation 100A	thousand	0.38	4852.00	(2602)	1829.204
	Cement mortar 1:3	cum	0.18	2848.95	(2112)	515.661
	Carriage of bircks	1000 nos.	0.38	0.00	(2201)	0.000
	Labour:					
	mason 1st class	per day	0.72	413.00	(0123)	297.360
	mason 2nd class	per day	0.72	369.00	(0124)	265.680
	Coolie	per dsy	1.76	318.00	(0115)	559.680
	Bhishti	per day	0.36	332.00	(0101)	119.520
	Sundries and scaffolding	1 time	7.15	2.12	(9999)	15.158
	Total					3602.26
	Add for water charges @ 1 %					36.023
	Total					3638.285 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					511.18
	Total					4149.46 (Y)
	Add 15% for contractor's profit and overheads on "Y"					622.42
	Cost of 10 sqm					4771.884
	Cost of 1 sqm					477.188
	Add labour cess @ 1%					4.770
	Rate including labour cess					481.958
	<b>Say</b>			<b>Rs.482.00</b>	<b>per sqm</b>	

**6.15A Brick work in plain arches in superstructure including centring and shuttering complete for span upto 6 metres with bricks of dass designation 100A in cement mortar 1:3 (1 cement: 3 coarse sand)**

Details of cost for 1 cum

Materials:

Brick of class designation 100A	thousand	0.49	4852.00	(2602)	2396.888
Cement mortar 1:3	cum	0.25	2848.95	(2112)	712.239
Carriage of bricks	1000 nos.	0.49	0.00	(2201)	0.000
Sundries	1 time	2.73	2.12	(9999)	5.788

Centring and shuttering .

Taking a semi circular arch 3.6 m

area span . 3.6 mlong and 0.40 m

thick area of centring =  $4/P \times 1.8 \times 3.6 = 20.37$  sqm

Brick work in Arch  $2/P \times 2 \times 0.4 \times 3.6 = 9.05$  cm

Area as per cum  $20.37/9.05 = 2.25$  sqm

(Rate same in itemno 5.14.9)

scaffolding	1 time	18.85	2.12	(9999)	39.962
Labour:					
mason 1st class	per day	0.53	413.00	(0123)	218.89
mason 2nd class	per day	0.53	369.00	(0124)	195.57
Coolie-	per day	2.29	318.00	(0115)	728.22
Bhishti	per day	0.20	332.00	(0101)	66.40

4363.96

Add for water charges @ 1 % on except B

43.64

Total 4407.60 (X)

Add GST 12% on "X"( multiplying factor 0.1405)

619.27

Total 5026.86 (Y)

Add for contractor's profit and over-heads @ 15% on al except B

754.03

Total 5780.89

Cost of 1 cum 8270.38

Add labour cess @ 1% 82.700

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Rate including labour cess					8353.076
			Say	Rs.8353.10	per cum	
<b>6.16A</b>	<b>Brick work in gauged arches in superstructure in cement mortar.1:3 (1 cement:3 coarse sand) including centring and shuttering complete. Span ' upto 6 metres with</b>					
	Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100B	thousand	0.538	4852.000	(2602)	2610.376
	Cement mortar 1:3	cum	0.250	2848.955	(2112)	712.239
	Carriage of bricks		0.538	0.000	(2201)	0.000
	Sundries	1 time	2.730	2.120	(9999)	5.788
	Centring and shuttering	sqm	2.23	1117.435	(5,14.9)	2489.484 (B)
	Area same as in itemno 6.15.2 (Rate same as per itemno 5.14.9)					
	Scaffolding	1 time	18.850	2.120	(9999)	39.962
	Labour:					
	mason 1st class	per day	1.130	413.000	(0123)	466.690
	mason 2nd class	per day	1.130	369.000	(0124)	416.970
	Coolie	per day	4.420	318.000	(0115)	1405.560
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Add for water charges @ 1 % on except B					5723.984
						57.240
	Add GST 12% on "X"( multiplying factor 0.1405)					5781.224 (X)
						812.26
	Total					6593.49 (Y)
	Add for contractor's profit and over-heads @ 15% on all except B					989.023
						7582.509
	Cost of 1 cum					10071.993
	Add labour cess @ 1%					100.720
	Rate including labour cess					10172.713
			Say	Rs.10172.70	per cum	
<b>6.17A</b>	<b>Extra for additional cost of centring for arches exceeding 6.0m span including all shuttering , Bolting , wedging and removal(Area of the soffit to be measured).</b>					
	Analysis of rates same as itemNo. 5.9.9	sqm	1.018	552.539	(5.9.10)	562.551
	Add labour cess @ 1%					5.630
	Rate including labour cess					568.181
			Say	Rs.568.20	per cum	
	<b>HALF BRICK MASONRY</b>					
<b>6.18A</b>	<b>Half brick masonry with bricks of dass designation 100A in foundations and plinth in :</b>					
<b>6.18.3A</b>	<b>Cement mortar 1:3 (1 cement: 3 coarse'sand ) Details of cost for 10 sqm</b>					
	Material					
	Bricks of class designation 100A	thousand	0.565	4852.000	(2602)	2741.380
	Cement mortar 1:3	cum	0.280	2848.955	(2112)	797.707
	Carriage of bricks	thousand	0.565	0.000	(2201)	0.000
	Sundries & Scaffolding	1 time	13.520	2.120	(9999)	28.662
	Labour:					
	mason .1 st class	per day	0.450	413.000	(0123)	185.850
	mason 2nd class	per day	0.450	369.000	(0124)	166.050
			269			

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Coolie	per day	1.550	318.000	(0115)	492.900
	Bhishti	per day	0.700	332.000	(0101)	232.400
	Total					4644.950
	Add for water charges @ 1 %					46.449
	Total					4691.399 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					659.14
	Total					5350.54 (Y)
	Add 15% for contractor's profit and overheads on "Y"					802.58
	Cost of 10 sqm					6153.122
	Cost of 1 sqm					615.312
	Add labour cess @ 1%					6.150
	Rate including labour cess					621.462
			<b>Say</b>	<b>Rs.621.50</b>		<b>per sqm</b>
<b>6.18.4A</b>	<b>Cement mortar 1:4 ( 1 cement: 4 coarse sand )</b>					
	<b>Details of cost for 10 sqm</b>					
	Materials: Bricks of class designation 100 A	thousand	0.565	4852.000	(2602)	2741.38
	Cement mortar 1:4	cum	0.280	2256.971	(2113)	631.95
	Carriage of bricks	1000 nos.	0.565	0.000	(2201)	0.00
	Sundries & Scaffolding	1 time	13.520	2.120	(9999)	28.66
	Labour: mason 1st class	per day	0.450	413.000	(0123)	185.85 (B)
	mason 2nd class	per day	0.450	369.000	(0124)	166.05 (B)
	Coolie	per day	1.550	318.000	(0115)	492.90 (B)
	Bhishti	per day	0.700	332.000	(0101)	232.40 (B)
	Total					4479.19
	Add for water charges @ 1 %					44.79
	Total					4523.99 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					635.62
	Total					5159.61 (Y)
	Add 15% for contractor's profit and overheads on "Y"					773.94
	Cost of 10 sqm					5933.55
	Cost of 1 sqm					593.35
	Add labour cess @ 1%					5.93
	Rate including labour cess					599.28
			<b>Say</b>	<b>Rs.599.30</b>		<b>per sqm</b>
<b>6.19A</b>	<b>Extra for half Brick masonry in superstructure above pinth level upto floor V level.</b>					
	<b>Details of cost for 10 sqm</b>					
	Labour:					
	mason lot class	per day	0.150	413.000	(0123)	61.95
	mason 2nd class	per day	0.150	369.000	(0124)	55.35
	Coolie	per day	0.450	318.000	(0115)	143.10
	Extra labour for lifting materials:	per day	1.290	318.000	(0115)	410.22
	Coolie					
	10x0.115x75x1.5					670.62
	Add for water charges @ 1 %					6.71
	Total					677.33 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					95.16
	Total					772.49 (Y)
	Add 15% for contractor's profit and overheads on "Y"					115.87
	Cost of 10 sqm					888.36



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Cost of 1 sqm					88.84
	Add labour cess @ 1%					0.890
	Rate including labour cess					89.73
				Say	Rs.89.70	per sqm
6.20A	Extra for half brick masonry in superstructure. Above floor V level for every four floors or part there of Details of cost for 10 sqm per floor V level. Extra labour element for lifting of materials above floor V level 10sqm x 0.115m x 0.75 x 2.00 = 2.15					
	Coolie	per day	1.730	318.000	(0115)	550.14
	Add for water charges @ 1%					5.50
	Total					555.64 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					78.07
	Total					633.71 (Y)
	Add 15% for contractor's profit and overheads on "Y"					95.06
	Cost of 10 sqm					728.77
	Cost of 1 sqm					72.88
	Add labour cess @ 1%					7.29
	Rate including labour cess					80.17
				Say	Rs.80.20	per sqm
6.21 A	Extra for providing and placing in position 2 Nos, 6 mm dia , MS.bars at every third course of half brick masonry (with F. P. S. bricks )					
	Details of cost for 10 sqm					
	(a) 6 mm dia. MS bars (round ) 2 Nos. @ 30 meter/10 sqm = 60 metre @ 0.22 kg/m=13.2"kgquintal		0.132	5860.000	(1004)	773.52
	(b)Carriage of MS bars Sundries	tonne	0.013	145.720	(2205)	1.92
	Sundries	1 time	1.820	2.120	(9999)	3.86
	Total					779.30
	Add for water charges @ 1 %					7.79
	Total					787.09 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					110.59
	Total					897.68 (Y)
	Add 15% for contractor's profit and overheads on "Y"					134.65
	Cost of 10 sqm					1032.33
	Cost of 1 sqm					103.23
	Add labour cess @ 1%					10.32
	Rate including labour cess					113.55
				Say	Rs.113.60	per sqm
	BRICK TILE WORK					
6.23A	Tile brick masonry with tile bricks of class designation 100 in foundation and plinth in :					
6.23.7A	Cement mortar 1:4 (1 cement :4 coarse sand) Details of cost for 1 cum					
	Materials:					
	Brick tiles of class designation 100	thousand	0.777	5822.000	(1984)	4523.694
	Cement mortar 1:4	cum	0.400	2256.971	(2113)	902.788
	Carriage of brick tiles	1000 nos.	0.777	0.000	(2207)	0.000
	Sundries	1 time	4.550	2.120	(9999)	9.646
	Labour:					
	mason 1 st class	per day	0.700	413.000	(0123)	289.100
	mason 2nd class	per day	0.700	369.000	(0124)	258.300
	Coolie	per day	1.540	318.000	(0115)	489.720

P
x
L
2
B
@
271
P
A
B

BCD/SOR\_11<sup>th</sup> Edition\_2022



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					6539.648
	Add for water charges @ 1 %					65.396
	Total					6605.045 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					928.01
	Total					7533.05 (Y)
	Add 15% for contractor's profit and overheads on "Y"					1129.96
	Cost of 1 cum					8663.012
	Add labour cess @ 1%					86.630
	Rate including labour cess					8749.642
	<b>Say</b>			<b>Rs.8749.60</b>	<b>per cum</b>	

### 6.23.8A Cement mortar 1:6 (1 cement :6 coarse sand) Details of cost for 1 cum

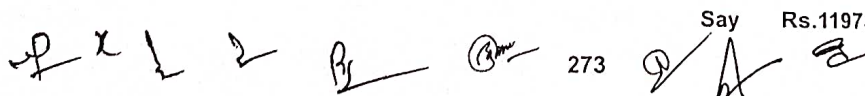
Materials:						
	Brick tiles of class designation 100	thousand	0.777	5822.000	(1984)	4523.694
	Cement mortar 1:6	cum	0.400	1664.988	(2115)	665.995
	Carriage of brick tiles	1000 nos.	0.777	0.000	(2207)	0.000
	Sundries	1 time	4.550	2.120	(9999)	9.646
Labour:						
	mason 1st class	per day	0.700	413.000	(0123)	289.100
	mason 2nd class	per day	0.700	369.000	(0124)	258.300
	Coolie	per day	1.540	318.000	(0115)	489.720
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					6302.855
	Add for water charges @ 1 %					63.029
	Total					6365.884 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					894.41
	Total					7260.29 (Y)
	Add 15% for contractor's profit and overheads on "Y"					1089.04
	Cost of 1 cum					8349.334
	Add labour cess @ 1%					83.490
	Rate including labour cess					8432.824
	<b>Say</b>			<b>Rs.8432.80</b>	<b>per cum</b>	

### 6.24A Extra for tile bricks masonry with tile bricks of class designation 100A in superstructure from plinth

level upto floor five level.						
Details of cost for 1 cum						
	cost of scaffolding etc.	1 time	13.000	2.120	(9999)	27.560
Labour:						
	mason 1st class	per day	0.200	413.000	(0123)	82.600
	mason 2nd class	per day	0.200	369.000	(0124)	73.800
	Coolie	per day	0.260	318.000	(0115)	82.680
	Total					266.640
	Extra labour element for lligting of materials (upto floor Vlevel) 0.75x1.50 =1.13					266.640
	Coolie.	per day	1.13	318.000	(0115)	359.340
	Total					625.980
	Add for water charges @ 1 %					6.260
	Total					632.240 (X)

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add GST 12% on "X"( multiplying factor 0.1405)					88.83
	Total					721.07 (Y)
	Add 15% for contractor's profit and overheads on "Y"					108.16
	Cost of 1 cum					829.230
	Add labour cess @ 1%					8.290
	Rate including labour cess					837.520
			Say	Rs.837.50		per cum
6.25A	Extra for tile brick masonry with tile bricks of class designation 100A in superstructure above floor five level for every four floor or part thereof...					
	Details of cost per cum ,					
	Extra labour element required for lifting of materials (above floor V level) 0.75x 2.00 = 1.50					
	Coolies	per day	1.50	318.00	(0115)	477.000
	Add for water charges @ 1 %					4.77
	Total					481.77 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					67.69
	Total					549.46 (Y)
	Add 15% for contractor's profit and overheads on "Y"					82.42
	Cost of 1 cum					631.88
	Add labour cess @ 1%					6.320
	Rate including labour cess					638.197
			Say	Rs.638.20		per cum
6.29A	Tile brick masonry with bricks of class designation 100 in plain arch work superstructure in cement mortar 1:4 (1 cement: 4 coarse sand ) including centring and shuttering complete.					
	Details of cost for 1 cum					
	Materials:					
	Tile bricks	thousand	0.78	5822.00	(1984)	4523.694
	Carriage of tile bricks	1000 nos.	0.78	0.00	(2207)	0.000
	Cement mortar 1:4	cum	0.35	2256.97	(2113)	789.940
	Sundries	1 time	5.46	2.12	(9999)	11.575
	Centring and shuttering	sqm	2.23	1117.43	(5.14.9)	2489.484 (A)
	Area same as in itemno 8.15.2					
	Scaffolding	1 time	18.85	2.12	(9999)	39.962
	Labour:					
	mason 1st class	per day	0.79	413.00	(0123)	326.270
	mason 2nd class	per day	0.79	369.00	(0124)	291.510
	Coolie	per day	3.21	318.00	(0115)	1020.780
	Bhishti	per day	0.20	332.00	(0101)	66.400
	Total except A					7070.131
	Add for water charges @ 1%					70.70
	Total					7140.83 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					1003.29
	Total					8144.12 (Y)
	Add 15% for contractor's profit and overheads on "Y"					1221.62
	Cost of 1 cum					11855.22
	Add labour cess @ 1%					118.550
	Rate including labour cess					11973.771
			Say	Rs.11973.80		per cum


273
Say
Rs.11973.80
per cum
BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
----------	-------------	------	-----	------	------------	----------

**6.30A** Tie brick masonry with tile bricks of class designation 100A in gauded arch work in superstructure in cement mortar 1:4 (1 cement: 4 coarse sand ) including centring and shuttering complete.

Details of cost for 1 cum

Materials:

Tile bricks	thousand	0.79	5822.00	(1984)	4605.202
Carriage of tile bricks	1000 nos.	0.79	0.00	(2207)	0.000
Cement mortar 1:4	cum	0.35	2256.97	(2113)	789.940
Sundries	1 time	5.46	2.12	(9999)	<u>11.575</u>
					5406.717
Centring and shuttering					5406.717
Area same as in itemno : 6.15.2	sqm	2.23	1117.43	(5.14.9)	2489.484 (A)
Scaffolding	1 time	7.25	2.12	(9999)	15.370
Labour:					
mason 1st class	per day	1.50	413.00	(0123)	619.500
mason 2nd class	per day	1.50	369.00	(0124)	553.500
Coolie	per day	5.33	318.00	(0115)	1694.940
Bhishti	per day	0.20	332.00	(0101}	66.400
Total except A					8356.427
Add for water charges @ 1%					83.56
Total					8439.99 (X)
Add GST 12% on "X"( multiplying factor 0.1405)					1185.82
Total					9625.81 (Y)
Add 15% for contractor's profit and overheads on "Y"					<u>1443.87</u>
Cost of 1 cum					13559.17
Add labour cess @ 1%					135.590
Rate including labour cess					13694.756

Say Rs.13694.8 per cum

**6.31A** Tile brick masonry work 5 cm thick with tile bricks of class designation 100A in cement mortar 1:3 (1 cement: 3 coarse sand ) in superstructure .

Details of cost for 10 sqm

Materials:

Tile bricks (22.9 cm x 11.2 cm x 5 cm)	thousand	0.38	5822.00	(1984)	2194.894
Carriage of tile bricks	1000 nos.	0.38	0.00	(2207)	0.000
Cement mortar 1:3	cum	0.15	2848.95	(2112)	427.343
Sundries and scaffolding	1 time	8.06	2.12	(9999)	17.087
Labour:					
mason 1st class	per day	0.94	413.00	(0123)	388.220
mason 2nd class	per day	0.94	369.00	(0124)	346.860
Coolie	per day	1.88	318.00	(0115)	597.840
BhishU	per day	0.33	332.00	(0101)	109.560
Total					4081.804
Add for water charges @ 1 %					40.818
Total					4122.622 (X)
Add GST 12% on "X"( multiplying factor 0.1405)					579.23



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Total					4701.85 (Y)
	Add 15% for contractor's profit and overheads on "Y"					705.28
	Cost of 10 sqm					5407.13
	Cost of 1 sqm					540.71
	Add labour cess @ 1%					5.410
	Rate including labour cess					546.123
			<b>Say</b>	<b>Rs.546.10</b>		<b>per sqm</b>

### HONEY COMB WORK

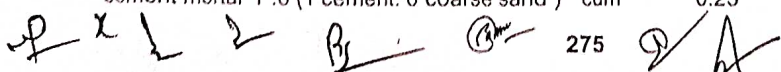
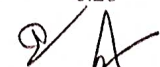

6.32A	Honey- comb brick work 10/11.4 cm thick with bricks of class designation 100A in cement mortar 1:4 (1 cement: 4 coarse sand )					
	Details of cost 1 sqm of Honey comb brick works					
	Materials:					
	(1),Brick work with bricks of class designations 75 in cement mortar 1:4 (1 cement: 4 coarse sand ) in superstructure					
	1mx 1 x 0.143 mx 4.5/7.5 = 0.069 cum	cum	0.07	5802.15	(6.1.12 +6.3)	378.986
	(2) Extra for delay due to fine work	1 time	20.67	2.12	(9999)	43.820 (A)
	Add for water charges @ 1 % A Only					0.44 (B)
	total					44.26 (X)
	Add GST 12% on "X"( multiplying					6.22
	Total					50.48 (Y)
	Add for contractor's profit and over-heads @ 15% on"Y"					7.57
	Cost of 1 sqm					437.03
	Add labour cess @ 1%					4.370
	Rate including labour cess					441.405
			<b>Say</b>	<b>Rs.441.40</b>		<b>per sqm</b>

### MOULDING AND CORNICES

6.39A	Extra for brick work in or under water mud or liquid mud including cost of pumping or bailing out water - slush etc					
	Analysis of rate same as itemno 4.29 of sh. cement concrete work.	cum	1.00	468.85	(4.29)	468.846
	Cost of 1 cum					468.85
	Add labour cess @ 1%					4.690
	Rate including labour cess					473.536
			<b>Say</b>	<b>Rs.473.50</b>		<b>per cum</b>

**Note :** The quantity will be calculated by multiplying the depth measured from sub-soil water level up to the centre of gravity of brick work in cum executed under the sub-soil water. With the quantity of brick work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m. 0.05 more shall be taken as 0.1 and less than 0.05 ignored.

6.41 A	Brick work with selected bricks of Class designation 100A in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortars 1:6(1 cement: 6 coarse sand)					
	Details of cost for 1 cum					
	Bricks of class designation 100A	thousand	0.49	4852.00	(2602)	2396.888
	Carriage of bricks	1000 nos.	0.49	0.00	(2201)	0.000
	cement mortar 1 :6 (1 cement: 6 coarse sand )	cum	0.25	1664.99	(2115)	416.247


 275   BCD/SOR\_11<sup>th</sup> Edition\_2022



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Sundries including steel V wooden strips for making grooves	1 time	16.38	2.12	(9999)	34.726
	Labour:					
	For selection of bricks					
	Beldar	per day	0.50	306.00	(0114)	153.000
	mason 1st class	per day	0.35	413.00	(0123)	144.550
	mason 2nd class	per day	0.35	369.00	(0124)	129.150
	Coolie	per day	1.07	318.00	(0115)	340.260
	Bhishti	per day	0.20	332.00	(0101)	66.400
	Total					3681.221
	Add for water charges @ 1 %					36.812
	Total					3718.033 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					522.38
	Total					4240.42 (Y)
	Add 15% for contractor's profit and overheads on "Y"					636.06
	Cost of 1 cum					<u>4876.48</u>
	Add labour cess @ 1%					48.760
	Rate including labour cess					4925.239
	Say			Rs.4925.20	per cum	

**6.45A Extra for exposed brick work in superstructure above plinth level and upto floor level. 0.75 x 1 5 = 1.13**

	Details of cost for 1 cum					
	Scaffolding	1 time	16.38	2.12	(9999)	34.726
	Labour:					
	mason 1st class	per day	0.22	413.00	(0123)	90.860
	mason 2nd class	per day	0.22	369.00	(0124)	81.180
	Coolie	per day	0.73	318.00	(0115)	232.140
	(Extra labour element required for lifting of materials . Above floor two level upto floor V level.					
	Coolie	per day	1.13	318.00	(0115)	359.340
	Total					798.246
	Add for water charges @ 1 %					7.982
	Total					806.228 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					113.28
	Total					919.50 (Y)
	Add 15% for contractor's profit and overheads on "Y"					137.93
	Cost of 1 cum					<u>1057.43</u>
	Add labour cess @ 1%					10.570
	Rate including labour cess					1067.999
	Say			Rs.1068.00	per cum	

### BRICK DRAIN

**6.47A Providing 250mm wide brick drain in cement mortar (1:6) with av. 150mm. Clear depth and 250mm apron including cost of E/W. involved with 75mm cement concrete (1:4:8) over one brick designation 100-A flat soling in proper grade and slope at the base.the drain duly.plastered in CM. (1:3) with punning over exposed surface all complete as per building specification and direction of E/I,**

Assuming 30.49m			30.49			
E/W in exca. in fdn. trenches	M <sup>3</sup>	8.43	383.700	(2.8.1)	3234.78	
30.49x0.79x0.35 =						

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Designation 100A one brick flat soling 30.49x0.79x0.095=24.095M <sup>2</sup>	M <sup>2</sup>	24.095	283.300	(11.72)	6826.11
	P.C.C. 75M(1:4:8) 30.49x0.79x0.075=1.81M <sup>3</sup>	M <sup>3</sup>	1.81	2945.716	(4.5.8)	5331.75
	Desig 100A B/W 1:6 in F&P 2x30.49x0.25x0.20=3.05M <sup>3</sup>	M <sup>3</sup>	3.05	4772.202	(6.1.14A)	14555.22
	12mm C.P. 1:3 with punning 30.49x1.15=35.06 M <sup>2</sup>	M2	35.0600	82.500	(13.17)	2892.45
	Hence Rate per m					32840.30
	Add labour cess @ 1%					1077.08
	Rate including labour cess					1087.85
				Say	Rs. 1087.90	

**6.48A** Providing 150mm wide brick drain in cement mortar (1:6) with av. 150mm clear depth and 125mm apron concrete (1: 4:8), over one brick designation 100-A flat soling in proper grade and slope at the base, the drain duly plastered in CM. (1:3) with punning over exposed surface all complete as per building specification and direction of E/I,

Assuming 30.49M E/W in exca. In foundatio treches 30.49x0.406x0.5186.41M <sup>3</sup>	M	30.49				
	M <sup>3</sup>	6.41	383.700	(2.8.1)		2459.517
Designation 100A one brick flat soling 30.49x0.406=12.383 M <sup>2</sup>	M <sup>2</sup>	12.38	283.300	(11.72)		3507.254
P.C.C. 75M(1:4:8) 30.49x0.406x0.075=0.929M <sup>3</sup>	M <sup>3</sup>	0.93	2945.716	(4.5.8)		2739.516
Design 100AB/W 1:6 in F&P 2x30.49x0.12x0.2=1.46M <sup>3</sup>	M <sup>3</sup>	1.46	4772.202	(6.1.14A)		6967.415
12mm C.P. 1:3 with punning 30.49x0.813=23.17M <sup>2</sup>	M <sup>3</sup>	23.17	82.500	(13.17)		1911.525
Hence Rate per m						17585.227
Add labour cess @ 1%						576.754
Rate including labour cess						5.770
				Say	Rs. 582.50	582.524

### Masonry with AAC Blocks

**6.38** Providing and laying autoclaved aerated cement blocks masonry with 100 mm thick AAC blocks in super structure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand).The rate includes providing and placing in position 2 Nos 6 mm dia M.S. bars at every third course of masonry work.

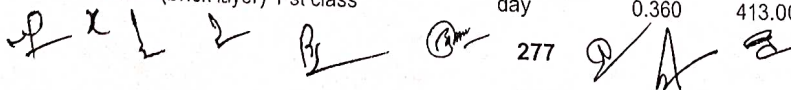
Details of cost for 1 cum.

MATERIAL:

Autoclaved aerated cement (AAC) blocks	cum	1.00	2457.200	8655		2457.200
Cement mortar 1:4						
Rate as per Item Number 2113 of SH: Mortar	sum	0.150	2279.541	2113		341.93
Carriage of AAC blocks as						
Carriage of lime	cum	1.000	106.490	2208		106.490
Sundries	L.S.	2.730	2.120	9999		5.788

LABOUR:

Mason (brick layer) 1 st class	day	0.360	413.000	0123		148.680
--------------------------------	-----	-------	---------	------	--	---------



BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Mason (brick layer) 2nd class	day	0.360	369.000	0124	132.840
	Coolie	day	1.370	318.000	0115	435.660
	Bhisti	day	0.200	332.000	0101	66.400
	Reinforcement bars					
	Rate as per Item Number 5.22.1 of SH:	kilogram	13.20	96.73	5.22.1	1276.811 A
	Reinforced cement concrete work					
	TOTAL					4971.800
	Add Water Charges @ 1% except on A i.e on (4971.8 -1276.81 =3694.99					36.950
	TOTAL					5008.750
	Add GST 12% on "X"( multiplying factor 0.1405)					524.34
						5533.09
	Add CPOH @ 15% except on A i.e on (5008.75 -1276.81 =3731.94					638.441
	Cost of 1 cum					6171.529
	Add labour cess @ 1%					61.715
	Rate including labour cess					6233.244
				Say	Rs.6233.20	per cum

### Gypsum panel partion

6.40 Providing and laying Gypsum panel partitions 100 mm thick with water proof Gypsum panels of size 666x500x100 mm, made of calcite phosphor Gypsum fixed with tongue and groove, jointed with bonding plaster as per manufacturers specifications in superstructure above plinth level up to floor V level. Gypsum blocks will have a minimum compressive strength of 9.3 kg/cm<sup>2</sup>

Details of cost for 10 sqm

#### MATERIAL:

Gypsum panel 666 X 500 X 100 mm size

	sqm	10.000	480.000	8656	4800.000
Bonding plaster for Gypsum panel	kg	25.000	25.500	8657	637.500
Sundries & scaffolding	L.S.	13.520	2.120	9999	28.662

#### LABOUR:

Mason (brick layer) 1 st class	day	0.500	413.000	0123	206.500
Beldar	day	1.000	306.000	0114	306.000

TOTAL 5978.662

Add Water Charges @ 1% 59.787

TOTAL 6038.449 (X)

Add GST 12% on "X"( multiplying factor 0.1405)

Total 848.402

Add 15% for contractor's profit and overheads on "Y" 6886.851 (Y)

Cost of 10 sqm 1033.028

Cost of 1 sqm 7919.879

Add labour cess @ 1% 791.988

Rate including labour cess 7.920

Say Rs.799.90 per sqm

6.41 Extra for Gypsum panel partitions in superstructure above floor V level for every four floors or part there of.

Details of cost for 10 sqm. per four floors

Extra labour for lifting of materials above

floor V level

Coolie	day	1.73	318.000	0115	550.140
--------	-----	------	---------	------	---------



## BCD Analysis of Rates 2022

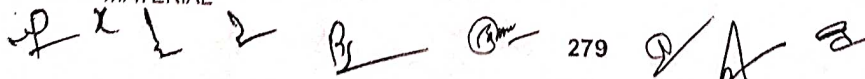
Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	TOTAL					550.140
	Add Water Charges @ 1%					5.501
	TOTAL					555.641 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)					78.068
	Total					633.709 (Y)
	Add 15% for contractor's profit and overheads on "Y"					95.056
	Cost of 10 sqm					728.765
	Cost of 1 sqm					72.877
	Add labour cess @ 1%					0.729
	Rate including labour cess					73.605
			Say	Rs.73.600		per sqm
<b>6.44</b>	<b>Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).</b>					
	Details of cost for 10m length					
	Excavation and disposal of surplus earth	L.S.	2.730	2.120	9999	5.788
	2nd class bricks = 42 nos. + Add wastage @ 10% = 4.2 nos. Total = 46.2 nos. Say 46.00 nos.					
	Common burnt clay F.P.S. (non modular) bricks class designation 7.5	1000 Nos	0.046	4852.000	2602	223.192
	Carriage of Bricks	1000 Nos	0.046	0.000	2201	0.000
	Cement mortar 1 : 4 (1 cement : 4 fine sand)	cum	0.004	2256.971	2113	8.125
	Rate as per Item Number 3.4 of SH: Mortars					
	LABOUR					
	Mason (average)	day	0.100	369.000	0155	36.900
	Beldar	day	0.100	306.000	0114	30.600
	Bhisti	day	0.030	332.000	0101	9.960
	Sundries	L.S.	2.730	2.120	9999	5.788
	TOTAL					320.352 W
	Add 1 % Water charges on "W"					3.204
	TOTAL					323.556 (X)
	Add GST on "X" (multiplying factor 0.1405)					45.460
	TOTAL					369.015 (Y)
	Add 15% CPOH on "Y"					55.352
	TOTAL					424.368
	Add Cess @ 1% on "Z"					42.437
	Cost of 10 metres					0.424
	Cost of 1 metre					42.861
	Say		Say	Rs.42.900		per metre

### Masonry with AAC Blocks

- 6.47** Providing and laying autoclaved aerated cement blocks masonry with 150mm/230mm/300 mm thick AAC blocks in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for separately).

Details of cost for 1 cum.

MATERIAL


279
D/A
B

BCD/SOR\_11<sup>th</sup> Edition\_2022



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8655	Autoclaved areated cement (AAC) blocks	cum	1.000	2457.200	8655	2457.200
0357	Polymer modified adhesive mortar	Kg	30.000	14.000	0357	420.000
9999	Sundries	L.S.	2.730	2.120	9999	5.788
	LABOUR					
0123	Mason (brick layer) 1 st class	day	0.360	413.000	0123	148.680
0124	Mason (brick layer) 2nd class	day	0.360	369.000	0124	132.840
0115	Coolie	day	1.370	318.000	0115	435.660
	Extra labour element required lifting of materials (above floor level upto floor five level) (0.75x 1.50 = 1.13)					
0115	Coolie	day	1.130	318.000	0115	359.340
	TOTAL					3959.508 W
	Add 1 % Water charges on "W"					39.595
	TOTAL					3999.103 (X)
	Add GST on "X" (multiplying 0.1405)					561.874
	TOTAL					4560.977 (Y)
	Add 15% CPOH on "Y"					684.146
	TOTAL					5245.123 Z
	Add Cess @ 1% on "Z"					52.451
	Cost of 1 cum					5297.574
	Say					5350.026

Say Rs.5350.00 per cum

**6.0 (B) Brick work**

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.1B	Brick work with bricks of class designation 100B in foundations and plinth in :					
6.1.12B	Cement mortar 1.:4 (1 cement: 4 coarse sand )					
	Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100B	thousand	0.494	4436.00	(2603)	2191.38
	Cement mortar 1:4	cum	0.250	2256.97	(2113)	564.24
	Carriage of bricks	1000 nos.	0.494	0.00	(2201)	0.00
	Sundries	1 time	1.050	2.12	(9999)	2.23
	Labour:					
	mason 1st class	per day	0.360	413.00	(0123)	148.68
	mason IInd class	per day	0.360	369.00	(0124)	132.84
	Coolie	per day	1.370	318.00	(0115)	435.66
	Bhishti	per day	0.200	332.00	(0101)	66.40
	Total					3541.43
	Add for water charges @ 1 %					35.41
	Total					3576.85 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					502.55
	Total					4079.39 (Y)
	Add 15% for contractor's profit and overheads on "Y"					611.91
	Cost of 1 cum					4691.30
	Add labour cess @ 1%					46.91
	Rate including labour cess					4738.21
				Say		Rs.4738.30 per cum
6.1.14B	Cement mortar 1:6 (1 cement: 6 coarse sand)					
	Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100B	thousand	0.494	4436.00	(2603)	2191.38
	Cement mortar 1:6	cum	0.250	1664.99	(2115)	416.25
	Carriage of bricks	1000 nos.	0.494	0.00	(2201)	0.00
	Sundries	1 time	1.050	2.12	(9999)	2.23
	Labour:					
	mason 1st class	per day	0.360	413.00	(0123)	148.68
	mason IInd class	per day	0.360	369.00	(0124)	132.84
	Coolie	per day	1.370	318.00	(0115)	435.66
	Bhishti	per day	0.200	332.00	(0101)	66.40
	Total					3393.44
	Add for water charges @ 1 %					33.93
	Total					3427.37 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					481.55
	Total					3908.92 (Y)
	Add 15% for contractor's profit and overheads on "Y"					586.34
	Cost of 1 cum					4495.25
	Add labour cess @ 1%					44.95
	Rate including labour cess					4540.20
				Say		Rs.4540.30 per cum

Handwritten marks and signatures at the bottom left of the page.

Handwritten signature 'Bj'.

Handwritten signature 'Bm'.

281

Handwritten signature 'D/A'.

Handwritten signature 'B'.

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.3B	Extra for Brick work in superstructure above plinth level upto floor V cum Details of cost for 1 cum Labour:					
	mason 1st class	per day	0.110	413.000	(0123)	45.430
	mason 11nd class	per day	0.110	369.000	(0124)	40.590
	Coolie	per day	0.430	318.000	(0115)	136.740
	Sundries Scaffolding	1 time	8.600	2.120	(9999)	18.232
	Extra Labour element required for lifting of materials (Above floor two level upto floor V level )					
	0.75*1.5=1.13					
	Coolie	per day	1.130	318.000	(0115)	359.340
	Total					600.332
	Add for water charges @ 1 %					6.003
	Total					606.335 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					85.19
	Total					691.53 (Y)
	Add 15% for contractor's profit and overheads on "Y"					103.73
	Cost of 1 cum					795.254
	Add labour cess @ 1%					7.950
	Rate including labour cess					803.204
	<b>Say</b>			<b>Rs.803.20</b>	<b>per cum</b>	
6.4B	Extra for brick work in superstructure above floor V level for each four floors or part thereof. Details fo cost for per cum per floor V level Extra labour element required for lifting of materials .75*2.00= 1.50					
	Coolies	per day	1.500	318.000	(0115)	477.000
	Add for water charges @ 1 %					4.770
	Total					481.770 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					67.69
	Total					549.46 (Y)
	Add 15% for contractor's profit and overheads on "Y"					82.42
	Cost of 1 cum					631.877
	Add labour cess @ 1%					6.320
	Rate including labour cess					638.197
	<b>Say</b>			<b>Rs.638.20</b>	<b>per cum</b>	



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.11B	Extra for forming cavity 5cm to 7.5cm wide in cavity wall with necessary weep and vent holes including use of cores and cast of providing and fixing bitumanstic coted m.s. toles 300mm long of 25mm x 3mm section at not less than 3 tiles per sqm as per approved design.					
	Details of cost for 10 sqm					
	Materials:					
	mild steel 25 mm* 3 mm section 30 cm long 30 no = 9 metres @ 0.6 Kg/m=5.40 Kg.	quantal	0.054	4850.00	(1008)	261.90
	Parting the steel bitumen	1 lime	5.200	2.12	(9999)	11.02
	Carriage of mild steel	tonne	0.005	0.00	(2205)	0.00
	Extra labour for keeping cavity clear and ilxing walll ties and delay caused :					
	mason 1st class	per day	0.370	413.00	(0123)	152.81
	mason lInd class	per day	0.370	369.00	(0124)	136.53
	Beldar	per day	0.920	306.00	(0114)	281.52
	Add for use of core	1 time.	1.750	2.12	(9999)	3.71
	Total					847.49
	Add for water charges @ 1 %					8.47
	Total					855.97 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					120.26
	Total					976.23 (Y)
	Add 15% for contractor's profit and overheads on "Y"					146.43
	Cost of 10 sqm					1122.67
	Cost of 1 sqm					112.27
	Add labour cess @ 1%					1.12
	Rate including labour cess					113.39
	<b>Say</b>			<b>Rs.113.40</b>	<b>per sqm</b>	

6.12B	Providing half brick masonry with bricks of class designation 100B in cement mortar 1:3 (1 cement: 3 coarse sand ) in supersturcture for dosing cavity 5 to 7.5 cm wide bitumen felt type 3 grade 1 .					
	Details of cost for 10 m. length					
	Materials:					
	Half brick masonry 1:3 (average ) 1x10x0.257 =2.57 sqm	sqm	2.57	704.149	(6.18.3 + 6.19)	1806.846 (A)
	Bitumen filtype - 3 grade 1 1x10mx11.4 m = 1.14 sqm					
	Add for wastage and overlapping @ 5 % = 0.06					
	TotalL = 1.20					
	sqm	sqm	1.200	70.000	(0322)	84.000 (B)
	Labour:					
	mason 1st class	per day	0.120	413.000	(0123)	49.560 (B)
	mason lind class	per day	0.120	369.000	(0124)	44.280 (B)

*Handwritten marks: a large 'X' and some scribbles.*

*Handwritten marks: 'B', a circled 'B', and other scribbles.*

*Handwritten marks: '283', a circled 'A', and other scribbles.*

*Handwritten mark: a circled 'B'.*

BCD/SOR\_11<sup>th</sup> Edition\_2022



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Belder	per day	0.060	306.000	(0114)	18.360 (B)
	Total B					196.200
	Add for water charges @ 1 % on B					1.96
	Total					198.162 (x)
	Add GST 12% on "X"( multiplying factor 0.1405)					27.84
	Total					226.00 (Y)
	Add 15% for contractor's profit and overheads on "Y"					33.90
						259.904
	Cost of 10 m					2066.750
	Cost of 1 m					206.675
	Add labour cess @ 1%					2.070
	Rate including labour cess					208.745
	<b>Say</b>			<b>Rs.208.70</b>	<b>per sqm</b>	
<b>6.13B</b>	<b>Brick work 7cm thick with brick of class designation 100B cement mortar 1:3 (1 cement: 3 coarse sand) in super structure</b>					
	Details of cost for 10 sqm					
	<b>Materials:</b>					
	Brick of class designation 100B	thousand	0.377	4436.000	(2603)	1672.372
	Cement mortar 1:3	cum	0.181	2848.955	(2112)	515.661
	Carriage of bircks	1000 nos.	0.377	0.000	(2201)	0.000
	<b>Labour:</b>					
	mason 1st class	per day	0.720	413.000	(0123)	297.360
	mason 2nd class	per day	0.720	369.000	(0124)	265.680
	Coolie	per day	1.760	318.000	(0115)	559.680
	Bhishti	per day	0.360	332.000	(0101)	119.520
	Sundries and scaffolding	1 time	2.750	2.120	(9999)	5.830
	Total					3436.10
	Add for water charges @ 1 %					34.361
	Total					3470.464 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					487.60
	Total					3958.06 (Y)
	Add 15% for contractor's profit and overheads on "Y"					593.71
	Cost of 10 sqm					4551.774
	Cost of 1 sqm					455.177
	Add labour cess @ 1%					4.550
	Rate including labour cess					459.727
	<b>Say</b>			<b>Rs.459.80</b>	<b>per sqm</b>	
<b>6.15B</b>	<b>Brick work in plain arches in superstructure including centring and shuttering complete for span upto 6 metres with bricks of class designation 100B in cement mortar 1:3(1 cement: 3 coarse sand)</b>					

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Details of cost for 1 cum					
	<b>Materials:</b>					
	Brick of class designation 100B	thousand	0.494	4436.000	(2603)	2191.384
	Cement mortar 1:3	cum	0.250	2848.955	(2112)	712.239
	Carriage of bricks	1000 nos.	0.494	0.000	(2201)	0.000
	Sundries	1 time	1.050	2.120	(9999)	2.226
	<b>Centring and shuttering</b>					
	Taking a semi circular arch 3.6 m area span , 3.6 m long and 0.40 m thick area of centring = $4/p * 1.8 * 3.6 = 20.37$ sqm Brick work in Arch $2/p * 2.1 * 0.4 * 3.6 = 9.05$ cm Area as per cum $20.37/9.05 = 2.23$ sqm (Rate same in itemno 5.14.9)					
	scaffolding	1 time	7.250	2.120	(9999)	15.370
	<b>Labour:</b>					
	mason 1st class	per day	0.530	413.000	(0123)	218.89
	mason 2nd class	per day	0.530	369.000	(0124)	195.57
	Coolie	per day	2.290	318.000	(0115)	728.22
	Bhishti	per day	0.200	332.000	(0101)	66.40
	Total except B					4130.30
	Add for water charges @ 1 % on except B					41.30
	Total					4171.60 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					586.11
	Total					4757.71 (Y)
	Add 15% for contractor's profit and overheads on "Y"					713.66
	Cost of 1 cum					7960.85
	Add labour cess @ 1%					79.610
	Rate including labour cess					8040.462
				<b>Say</b>	<b>Rs.8040.50</b>	<b>per cum</b>

**6.16B Brick work in gauged arches in superstructure in cement mortar 1:3 (1 cement:3 coarse sand) including centring and shuttering complete. Span upto 6 metres with**

	Details of cost for 1 cum					
	<b>Materials:</b>					
	Bricks of class designation 100B	thousand	0.538	4436.000	(2603)	2386.568
	Cement mortar 1:3	cum	0.250	2848.955	(2112)	712.239
	Carriage of bricks		0.538	0.000	(2201)	0.000
	Sundries	1 time	1.050	2.120	(9999)	2.226
	Centring and shuttering	sqm	2.228	1117.435	(5.14.9)	2489.484 (B)
	Area same as in itemno 6.15.2 (Rate same as per itemno 5.14.9)					
	Scaffolding	1 time	7.250	2.120	(9999)	15.370
	<b>Labour:</b>					
	mason 1st class	per day	1.130	413.000	(0123)	466.690
	mason 2nd class	per day	1.130	369.000	(0124)	416.970
	Coolie	per day	4.420	318.000	(0115)	1405.560
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total except B					5472.023
	Add for water charges @ 1 % on except B					54.720

*Handwritten signatures and initials: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z*

285

*Handwritten signatures and initials: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z*

BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Total					5526.743
	Add GST 12% on "X"( multiplying factor 0.1405)					776.51
	Total					6303.25 (Y)
	Add 15% for contractor's profit and overheads on "Y"					945.49
	Cost of 1 cum					9738.222
	Add labour cess @ 1%					97.382
	Rate including labour cess					9835.604
			Say	Rs.9835.60	per cum	
6.17B	Extra for additional cost of centring for arches exceeding 6 mspan including all shuttering, Bolting, wedging and removal (Area of the soffit to be measured).					
	Analysis of rates same as item No. 5.9.10	sqm	1.018	552.539	(5.9.10)	562.551
	Add labour cess @ 1%					5.630
	Rate including labour cess					568.181
			Say	Rs.568.20	per cum	
<b>HALF BRICK MASONARY</b>						
6.18B	Half brick masonry with bricks of class designation 100B in foundations and plinth in :					
6.18.3B	Cement mortar 1:3 (1 cement: 3 coarse sand)					
	Details of cost for 10 sqm					
	Material					
	Bricks of class designation 100B	thousand	0.565	4436.00	(2803)	2506.34
	Cement mortar 1:3	cum	0.280	2848.95	(2112)	797.71
	Carriage of bricks		0.565	0.00	(2201)	0.00
	"Sundries & Scaffolding	1 time	5.200	2.12	(9999)	11.02
	Labour:					
	mason 1st class	per day	0.450	413.00	(0123)	185.85 (B)
	mason 2nd class	per day	0.450	369.00	(0124)	166.05 (B)
	Coolie	per day	1.550	318.00	(0115)	492.90 (B)
	Bhishti	per day	0.700	332.00	(0101)	232.40 (B)
	Total					4392.27
	Add for water charges @ 1 %			332.00	(0101)	43.92
	Total					4436.19 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					623.29
	Total					5059.48 (Y)
	Add 15% for contractor's profit and overheads on "Y"					758.92
	Cost of 10 sqm			332.00	(0101)	5818.40
	Cost of 1 sqm					581.84
	Add labour cess @ 1%					5.82
	Rate including labour cess					587.66
			Say	Rs.587.70	per sqm	

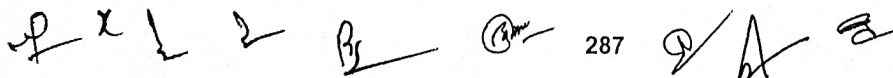


## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.18.4B	Cement mortar 1.4 (1 cement : 4 coarse sand) Details of cost for 10 sqm					
	<b>Materials:</b>					
	Bricks of class designation 100B	thousand	0.565	4436.000	(2603)	2506.340
	Cement mortar 1:3	cum	0.280	2256.971	(2113)	631.952
	Carriage of bricks	1000 nos.	0.565	0.000	(2201)	0.000
	Sundries & Scaffolding	1 time	5.200	2.120	(9999)	11.024
	Labour: mason 1st class	per day	0.450	413.000	(0123)	185.850 (B)
	mason 2nd class	per day	0.450	369.000	(0124)	166.050 (B)
	Coolie	per day	1.550	318.000	(0115)	492.900 (B)
	Bhishti	per day	0.700	332.000	(0101)	232.400 (B)
	Total					4226.516
	Add for water charges @ 1 %					42.265
	Total					4268.781 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					599.76
	Total					4868.54 (Y)
	Add 15% for contractor's profit and overheads on "Y"					730.28
	Cost of 10 sqm					5598.827
	Cost of 1 sqm					559.883
	Add labour cess @ 1%					5.600
	Rate including labour cess					565.483
	<b>Say</b>			<b>Rs.565.50</b>		<b>per sqm</b>

6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level. Details of cost for 10 sqm					
	<b>Labour:</b>					
	mason 1st class	per day	0.150	413.000	(0123)	61.950
	mason 2nd class	per day	0.150	369.000	(0124)	55.350
	Coolie	per day	0.450	318.000	(0115)	143.100
	<b>Extra labour for lifting materials:</b>	per day	1.290	318.000	(0115)	410.220
	Coolie 10x0.115x75x1.5					
	Total					670.620
	Add for water charges @ 1 %					6.706
	Total					677.326 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					95.16
	Total					772.49 (Y)
	Add 15% for contractor's profit and overheads on "Y"					115.87
	Cost of 10 sqm					888.364
	Cost of 1 sqm					88.836
	Add labour cess @ 1%					0.888
	Rate including labour cess					89.725
	<b>Say</b>			<b>Rs.89.70</b>		<b>per sqm</b>

6.20B Extra for half brick masonry in superstructure.Above floor V level for every four floors or part there of


287
BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Details of cost for 10 sqm per fioofv level.					
	Extra labour element for lifting of materials above floor V level 10sqm x 0.115mx 0.75 x 2.00 = 2.15					
	Coolie	per day	1.730	318.000	(0115)	550.140
	Add for water charges @ 1%					5.501
	Total					555.641 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					78.07
	Total					633.71 (Y)
	Add 15% for contractor's profit and overheads on "Y"					95.06
	Cost of 10 sqm					728.765
	Cost of 1 sqm					72.877
	Add labour cess @ 1%					0.729
	Rate including labour cess					73.605
			Say	Rs.73.60		per sqm
<b>6.21B</b>	<b>Extra for providing and placing in position 2 Nos, 6 mm dia , MS bars at every third course of half brick masonry (with F. P. S. bricks )</b>					
	Details of cost for 10 sqm					
	(a) 6 mm dia, MS bars (round ) 2 Nos. @ 30					
	meter/10 sqm = 60 metre @ 0.22 kg/m=13,2kg	quintal	0.132	5860.000	(1004)	773.520
	(b)Carriage of MS bars Sundries	tonne	0.013	145.720	(2205)	1,924
	Sundries	1 time	0.700	2.120	(9999)	1,484
	Total					776.928
	Add for water charges @ 1 %					7.769
	Total					784.697 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					110.25
	Total					894.95 (Y)
	Add 15% for contractor's profit and overheads on "Y"					134.24
	Cost of 10 sqm					1029.189
	Cost of 1 sqm					102.919
	Add labour cess @ 1%					10.290
	Rate including labour cess					113.209
			Say	Rs.113.20		per sqm

### BRICK TILE WORK

**6.23B** Tile brick masonry with tile bricks of class designation 100 in foundation and plinth in :

**6.23.7B** Cement mortar 1:4 (1 cement :4 coarse sand) Detials of cost for 1 cum

**Materials:**

Brick tiles of class designation 100	thousand	0.777	5822.000	(1984)	4523.69
Cement mortar 1:4	cum	0.400	2256.971	(2113)	902.79
Carriage of brick tiles	1000 nos	0.777	0.000	(2207)	0.00
Sundries	1 time	1.750	2.120	(9999)	3.71

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	<b>Labour:</b>					
	mason 1st class	per day	0.700	413.000	(0123)	289.10
	mason 2nd class	per day	0.700	369.000	(0124)	258.30
	Coolie	per day	1.540	318.00	(0115)	489.72
	Bhishti	per day	0.200	332.00	(0101)	66.40
	<b>Total</b>					<b>6533.71</b>
	Add for water charges @ 1 %					65.34
	<b>Total</b>					<b>6599.05 (X)</b>
	Add GST 12% on "X"( multiplying factor 0.1405)					927.17
	<b>Total</b>					<b>7526.22 (Y)</b>
	Add 15% for contractor's profit and overheads on "Y"					1128.93
	<b>Cost of 1 cum</b>					<b>8655.15</b>
	Add labour cess @ 1%					86.55
	<b>Rate including labour cess</b>					<b>8741.70</b>
			<b>Say</b>	<b>8741.70</b>	<b>per cum</b>	
<b>6.23.8B</b>	<b>Cement mortar 1:6 (1 cement :6 coarse sand) Details of cost for 1 cum</b>					
	<b>Materials:</b>					
	Brick tiles of class designation 100	thousand	0.777	5822.00	(1984)	4523.69
	Cement mortar 1:6	cum	0.400	1664.99	(2115)	666.00
	Carriage of brick tiles	1000 nos.	0.777	0.00	(2207)	0.00
	Sundries	1 time	1.750	2.12	(9999)	3.71
	<b>Labour:</b>					
	mason 1st class	per day	0.700	413.00	(0123)	289.10
	mason 2nd class	per day	0.700	369.00	(0124)	258.30
	Coolie	per day	1.540	318.00	(0115)	489.72
	Bhishti	per day	0.200	332.00	(0101)	66.40
	<b>Total</b>					<b>6296.92</b>
	Add for water charges @ 1 %					62.97
	<b>Total</b>					<b>6359.89 (X)</b>
	Add GST 12% on "X"( multiplying factor 0.1405)					893.56
	<b>Total</b>					<b>7253.45 (Y)</b>
	Add 15% for contractor's profit and overheads on "Y"					1088.02
	<b>Cost of 1 cum</b>					<b>8341.47</b>
	Add labour cess @ 1%					83.41
	<b>Rate including labour cess</b>					<b>8424.88</b>
			<b>Say</b>	<b>Rs.8424.90</b>	<b>per cum</b>	
<b>6.24B</b>	<b>Extra for tile bricks masonry with tile bricks of class designation 100B in superstructure from plinth level upto floor five level.</b>					
	Details of cost for 1 cum					
	cost of scaffolding etc.	1 time	13.000	2.120	(9999)	27.560
	<b>Labour:</b>					
	mason 1st class	per day	0.200	413.000	(0123)	82.600
	mason 2nd class	per day	0.200	369.000	(0124)	73.800
	Coolie	per day	0.260	318.000	(0115)	82.680

289
A
B
C
D
E

289

A B

BCD/SOR\_11<sup>th</sup> Edition\_2022



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Total					266.640
	Extra labour element for lifting of materials (upto floor V level) 0.75 x 1.50 = 1.13					266.640
	Coolie	per day	1.130	318.000	(0115)	359.340
	Total					625.980
	Add for water charges @ 1 %					6.260
	Total					632.240 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					88.83
	Total					721.07 (Y)
	Add 15% for contractor's profit and overheads on "Y"					108.16
	Cost of 1 cum					829.230
	Add labour cess @ 1%					8.290
	Rate including labour cess					837.520
			<b>Say</b>	<b>Rs.837.50</b>		<b>per cum</b>
<b>6.25B</b>	<b>Extra for tile brick masonry with tile bricks of class designation 100B in superstructure above floor five level for every four floor or part thereof.</b>					
	Details of cost per cum ,					
	Extra labour element required for lifting of materials (above floor V level) 0.75x 2.00 = 1.50					
	Coolies	per day	1.500	318.000	(0115)	477.000
	Add for water charges @ 1 %					4.77
	Total					481.77 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					67.69
	Total					549.46 (Y)
	Add 15% for contractor's profit and overheads on "Y"					82.42
	Cost of 1 cum					631.88
	Add labour cess @ 1%					6.320
	Rate including labour cess					638.197
			<b>Say</b>	<b>Rs.638.20</b>		<b>per cum</b>
<b>6.29B</b>	<b>Tile brick masonry with bricks of class designation 100 in plain arch work superstructure in cement mortar 1:4 (1 cement: 4 coarse sand ) including centring and shuttering complete.</b>					
	Details of cost for 1 cum					
	Materials:					
	Tile bricks	thousand	0.777	5822.00	(1984)	4523.69
	Carriage of tile bricks	1000 nos.	0.777	0.00	(2207)	0.00
	Cement mortar 1:4	cum	0.350	2256.97	(2113)	789.94
	Sundries	1 time	2.100	2.12	(9999)	4.45
	Centring and shuttering	sqm	2.250	1117.43	(5.9.9)	2514.23 (A)
	Area same as in rtermo 8.15.2					
	Scaffolding	1 time	7.250	2.12	(9999)	15.37
	Labour:					
	mason 1st class	per day	0.790	413.00	(0123)	326.27
	mason 2nd class	per day	0.790	369.00	(0124)	291.51

BCD/SOR\_11<sup>th</sup> Edition\_2022



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Coolie	per day	3.210	318.00	(0115)	1020.78
	Bhishii	per day	0.200	332.00	(0101)	66.40
	Total except A					7038.42
	Add for water charges @ 1 %					70.38
	Total					7108.80 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					998.79
	Total					8107.59 (Y)
	Add 15% for contractor's profit and overheads on "Y"					1216.14
	Cost of 1 cum					11837.95
	Add labour cess @ 1%					118.38
	Rate including labour cess					11956.33
	<b>Say</b>			<b>11956.30</b>	<b>per cum</b>	
<b>6.30B</b>	<b>Tie brick masonry with tile bricks of class designation 100B in gauded arch work in superstructure in cement mortar 1:4 ( 1 cement: 4 coarse sand ) including centring and shuttering complete.</b>					
	Details of cost for 1 cum					
	Materials:					
	Tile bricks	thousand	0.791	5822.000	(1984)	4605.202
	Carriage of tile bricks	1000 nos.	0.791	0.000	(2207)	0.000
	Cement mortar 1:4	cum	0.350	2256.971	(2113)	789.940
	Sundries	1 time	2.100	2.120	(9999)	4.452
						5399.594
	Centring and shuttering					
	Area same as in itemno : 6.15.2	sqm	2.250	1117.435	(5.9.9)	5399.594
	Scaffolding	1 time	7.250	2.120	(9999)	2514.228 (A)
	Labour:					15.370
	mason 1st class	per day	1.500	413.000	(0123)	619.500
	mason 2nd class	per day	1.500	369.000	(0124)	553.500
	Coolie	per day	5.330	318.000	(0115)	1694.940
	Bhishii	per day	0.200	332.000	(0101)	66.400
	Total					8349.30
	Add for water charges @ 1 %					83.49
	Total					8432.80 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					1184.81
	Total					9617.60 (Y)
	Add 15% for contractor's profit and overheads on "Y"					1442.64
	Cost of 1 cum					13574.47
	Add labour cess @ 1%					135.740
	Rate including labour cess					13710.214
	<b>Say</b>			<b>13710.20</b>	<b>per cum</b>	

**6.31B** Tile brick masonry work 5 cm thick with tile bricks of class designation 100B in cement mortar 1:3 (1 cement: 3 coarse sand) in superstructure.

*(Handwritten signatures and initials)*

291

*(Handwritten initials)*

BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Details of cost for 10 sqm					
	Materials:					
	Tile bricks (22.9 cm x 11.2 cm x 5 cm)	thousand	0.377	5822.000	(1984)	2194.894
	Carriage of tile bricks	1000 nos.	0.377	0.000	(2207)	0.000
	Cement mortar 1:3	cum	0.150	2848.955	(2112)	427.343
	Sundries and scaffolding	1 time	3.100	2.120	(9999)	6.572
	Labour:					
	mason 1st class	per day	0.940	413.000	(0123)	388.220
	mason 2nd class	per day	0.940	369.000	(0124)	346.860
	Coolie	per day	1.880	318.000	(0115)	597.840
	Bhishti	per day	0.330	332.000	(0101)	109.560
	Total					4071.289
	Add for water charges @ 1 %					40.71
	Total					4112.00 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					577.74
	Total					4689.74 (Y)
	Add 15% for contractor's profit and overheads on "Y"					703.46
	Cost of 10 sqm					5393.20
	Cost of 1 sqm					539.32
	Add labour cess @ 1%					53.930
	Rate including labour cess					593.250
			Say	Rs.593.20		per sqm

### HONEY COMB WORK

6.32B

Honey- comb brick work 10/11.4 cm thick with bricks of class designation 100B in cement mortar • 1:4 (1 cement: 4 coarse sand )

Details of cost 1 sqm of Honey comb brick works

Materials:

(1) Brick work with bricks of class designations 75 in cement mortar 1:4 (1 cement: 4 coarse sand ) in superstructure

1mx 1 x 0.143 mx 4.5,7.5 = 0.069 cum      cum      0.065      5802.15      (6.1.12 + 6.3)      378.986

(2) Extra for delay due to fine work      1 time      7.950      2.120      (9999)      16.854 (A)

Add for water charges @ 1 % A Only      0.17 (B)

Add GST 12% on "X"( multiplying factor 0.1405)      17.02 (X)

Total      2.39

Add for contractor's profit and over-heads @ 15% on "Y"      19.41 (Y)

Cost of 1 sqm      2.91

Add labour cess @ 1%      401.31


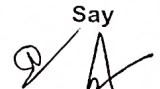

Rate including labour cess      4.010

Say      Rs.405.30      per sqm



## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
<b>MOULDING AND CORNICES</b>						
6.39B	Extra for brick work in or under water mud or liquid mud including cost of pumping or bailing out water — slush etc					
	Analysis of rate same as itemno 4.29 of S: h. cement concrete work.	cum	1.000	468.846	(4.29)	468.846
	Cost of 1 cum					468.85
	Add labour cess @ 1%					4.690
	Rate including labour cess					473.536
			<b>Say</b>	<b>Rs.473.50</b>	<b>per cum</b>	
	Note : The quantity will be calculated by multiplying the depth measured from sub-soil water level upto the centre of gravity of brick work in cum executed under the sub-soil water. With the quantity of brick work in cum executed under the sub-soil water. The depth of centre of gravity shall be reckoned correct to 0.1 m, 0.05 more shall be taken as 0.1 mand less than 0.05. ignored .					
6.41B	Brick work with selected bricks of class designation 100B in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level up to plinth level in cement mortars 1:6(1 cement: 6 coarse sand)					
	Details of cost for 1 cum					
	Bricks of class designation 100B	thousand	0.494	4436.000	(2603)	2191.384
	Carriage of brick	1000 nos	0.494	0.000	(2201)	0.000
	cement mortar 1:6 (1 cement: 6 coarse sand )	cum	0.250	1664.988	(2115)	416.247
	Sundries including steel/wooden strips for making grooves	1 time	6.300	2.120	(9999)	13.356
	Labour:					
	For selection of bricks					
	Beldar	per day	0.500	306.000	(0114)	153.000
	mason 1st class	per day	0.350	413.000	(0123)	144.550
	mason 2nd class	per day	0.350	369.000	(0124)	129.150
	Coolie	per day	1.070	318.000	(0115)	340.260
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					3454.347
	Add for water charges @ 1 %					34.54
	Total					3488.89 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					490.19
	Total					3979.08 (Y)
	Add 15% for contractor's profit and overheads on "Y"					596.86
	Cost of 1 cum					4575.94
	Add labour cess @ 1%					45.760
	Rate including labour cess					4621.701
			<b>Say</b>	<b>Rs.4621.80</b>	<b>per cum</b>	


 293  **Say** **Rs.4621.80** **per cum** 

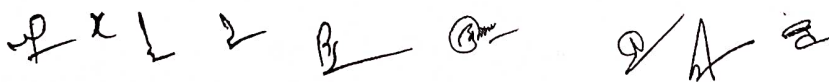
BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.45B	Extra for exposed brick work in superstructure above plinth level and upto floor level. 0.75 x 1.5 = 1.13					
	<b>Details of cost for 1 cum</b>					
	Scaffolding	1 time	6.300	2.120	(9999)	13.356
	Labour:					
	mason 1st class	per day	0.220	413.000	(0123)	90.860
	mason 2nd class	per day	0.220	369.000	(0124)	81.180
	Coolie	per day	0.730	318.000	(0115)	232.140
	(Extra labour element required for lifting of materials . Above floor two level upto floor V level.					
	Coolie	per day	1.130	318.000	(0115)	359.340
						776.876
	Add for water charges @ 1%					7.77
						784.64 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					110.24
	<b>Total</b>					894.89 (Y)
	Add for contractor's profit and over-heads @ 15% on "Y" uosi or i cum					134.23
						1029.12
	Add labour cess @ 1%					10.290
	Rate including labour cess					1039.410
				<b>Say</b>		<b>Rs.1039.42 per cum</b>
6.46B	Brick work with clay fiyash bricks of class designation 100B in superstructure above plinth level upto floor five level in .					
6.46.B.1	3 Cement mortar 1:4 (1 cement: 4 coarse sand ) Details of cost for 1 cum					
	<b>Materials:</b>					
	Clay fiyash bricks of class designation 100B	thousand	0.494	4436.000	(2603')	2191.384
	Cement mortar 1:4	cum	0.250	2256.971	(2113)	564.243
	Carriage of bricks	1000 nos.	0.494	0.000	(2201)	0.000
	Sundries	1 time	1.050	2.120	(9999)	2.226
	Labour:					
	mason 1st class	per day	0.470	413.000	(0123)	194.110
	mason 2nd class	per day	0.470	369.000	(0124)	173.430
	Coolie	per day	1.800	318.000	(0115)	572.400
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Scaffolding	1 time	3.450	2.120	(9999)	7.314
	(Extra labour element required for lifting of materials (above floor two level upto floor V level.)					
	0.75x1.5 = 1.13					
	Coolie	per day	1.130	318.000	(0115)	359.340
	<b>Total</b>					4130.847
	. Add for water charges @ 1 %					41.308
	<b>Total</b>					4172.16 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					586.19
	<b>Total</b>					4758.34 (Y)

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add 15% for contractor's profit and overheads on "Y"					713.75
	Cost of 1 cum					5472.095
	Add labour cess @ 1%					54.720
	Rate including labour cess					5526.815
			Say	Rs.5526.80	per cum	
<b>6.46.14B</b>	<b>Cement mortar 1:6' (1 cement: 6 coarse sand ) Details of cost for 1 cum</b>					
	Materials:					
	Clay flyash bricks of class designation 100B	thousand	0.494	4436.000	(2603)	2191.384
	Cement mortar 1:6	cum	0.250	1664.988	(2115)	416.247
	Carriage of bricks	1000 nos.	0.494	0.000	(2201)	0.000
	Sundries	1 time	1.050	2.120	(9999)	2.226
	Labour:					
	mason 1st class	per day	0.470	413.000	(0123)	194.110
	mason 2nd class	per day	0.470	369.000	(0124)	173.430
	Coolie	per day	1.800	318.000	(0115)	572.400
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Scaffolding	1 time	3.450	2.120	(9999)	7.314
	(Extra labour element required for lifting of materials (above floor two level upto floor V level) 0:75x1.5 = 1.13					
	Coolie	per day	1.130	318.000	(0115)	359.340
	Total					3982.851
	Add for water charges @ 1%					39.829
	Total					4022.68 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					565.19
	Total					4587.87 (Y)
	Add 15% for contractor's profit and overheads on "Y"					688.18
	Cost of 1 cum					5276.046
	Add labour cess @ 1%					52.760
	Rate including labour cess					5328.806
			Say	Rs.5328.80	per cum	





## BCD Analysis of Rates 2022

### BUILDING WORK 6.0 (C) FLY ASH BRICK WORK

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in					
6.1.12C	Cement mortar 1:4 (1 cement: 4 coarse sand )					
	Details of cost for 1 cum					
	Materials:					
	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495	thousand	0.494	5008.000	(7007)	2473.952
	Carriage of bricks	cum	0.250	2256.97	(2113)	564.243
	Sundries	1000 nos	0.494	0.000	(2201)	0.000
		1 lime	1.050	2.120	(9999)	2.226
	Labour:					
	mason 1st class	per day	0.360	413.000	(0123)	148.680
	mason IInd class	per day	0.360	369.000	(0124)	132.840
	Coolie	per day	1.370	318.000	(0115)	435.660
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					3824.001
	Add for water charges @ 1 %					38.240
	Total					3862.241 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					542.64
	Total					4404.89 (Y)
	Add 15% for contractor's profit and overheads on "Y"					660.733
	Cost of 1 cum					5065.618
	Add labour cess @ 1%					50.660
	Rate including labour cess					5116.278
			Say	Rs.5116.30		per cum
6.1.14C	Cement mortar 1:6 (1 cement: 6 coarse sand ) Details of cost for 1 cum					
	Materials:					
	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495	thousand	0.494	5008.000	(2602)	2473.952
	Cement mortar 1:6	cum	0.250	1664.988	(2115)	416.247
	Carriage of bricks	1000 nos.	0.494	0.000	(2201)	0.000
	Sundries	1 time	2.730	2.120	(9999)	5.788
	Labour :					
	mason 1st class	per day	0.360	413.000	(0123)	148.680
	mason IInd class	per day	0.360	369.000	(0124)	132.840
	Coolie	per day	1.370	318.000	(0115)	435.660
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					3679.567
	Add for water charges @ 1 %					36.796
	Total					3716.362 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					522.15
	Total					4238.51 (Y)
	Add 15% for contractor's profit and overheads on "Y"					635.777
	Cost of 1 cum					4874.288
	Add labour cess @ 1%					48.740
	Rate including labour cess					4923.028
			Say	4923.00		per cum

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.3C	<b>Extra for Brick work in superstructure above plinth level upto floor V cum</b>					
	Details of cost for 1 cum					
	Labour:					
	mason 1st class	per day	0.110	413.000	(0123)	45.430
	mason 1nd class	per day	0.110	369.000	(0124)	40.590
	Coolie	per day	0.430	318.000	(0115)	136.740
	Sundries Scaffolding	1 time	22.360	2.120	(9999)	47.403
	Extra Labour element required for lifting of materials (Above floor two level upto floor V level.) $0.75 \times 1.5 = 1.13$					
	Coolie	per day	1.130	318.000	(0115)	359.340
	Total					629.503
	Add for water charges @ 1 %					6.295
	Total					635.798 (X)
	Add GST 12% on "X" (multiplying factor 0.1405)					89.33
	Total					725.13 (Y)
	Add 15% for contractor's profit and overheads on "Y"					108.769
	Cost or 1 cum					833.897
	Add labour cess @ 1%					8.340
	Rate including labour cess					842.237
				Say	Rs.842.20	per cum
6.4C	<b>Extra for brick work in superstructure above floor V level for each four floors or part there of.</b>					
	Detail cost for per cum per floor V level					
	Extra labour element required for lifting of materials $0.75 \times 2.00 = 1.50$					
	Coolies	per day	1.500	318.000	(0115)	477.000
	Add for water charges @ 1 %					4.770
	Total					481.770
	Add GST 12% on "X" (multiplying factor 0.1405)					67.69
	Total					549.46 (Y)
	Add 15% for contractor's profit and overheads on "Y"					82.419
	Cost of 1 cum					631.877
	Add labour cess @ 1%					6.320
	Rate including labour cess					638.197
				Say	Rs.638.20	per cum
6.45	<b>Half brick masonry with non modular fly ash bricks of class designation 10, conforming IS :12894, in superstructure above plinth and upto floor V level.</b>					
6.45.1	<b>Cement mortar 1 : 3 (1 cement : 3 coarse sand)</b>					
	Details of cost for 10 sqm.					
	MATERIAL					
	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	5008.000	7007	2829.52
	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	0.28	2848.95	2112	797.71
	Rate as per Item Number 3.8 of SH: Mortars					
	Carriage of Bricks	1000 Nos	0.565	0.000	2201	0.00
		297				

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Sundries & Scaffolding LABOUR	L.S.	13.52	2.120	9999	28.66
	Mason (brick layer) 1st class	day	0.6	413.000	0123	247.80
	Mason (brick layer) 2nd class	day	0.6	369.000	0124	221.40
	Coolie	day	2	318.000	0115	636.00
	Bhisti	day	0.7	332.000	0101	232.40
	Extra labour for lifting of material (above floor two level up to floor five level)					
	Coolie	day	1.29	318.000	0115	410.22
	TOTAL					5403.71 W
	Add 1 % Water charges on "W"					54.04
	TOTAL					5457.75 (X)
	Add GST on "X" (multiplying factor 0.1405)					766.81
	TOTAL					6224.56 (Y)
	Add 15% CPOH on "Y"					933.68
	TOTAL					7158.24
	Add Cess @ 1% on "Z"					71.58
	Cost for 10 sqm.					7229.82
	Cost for 1 sqm.					722.98
	Say		Say	Rs.723.00	per sqm	
<b>6.45.2</b>	<b>Cement mortar 1 : 4 (1 cement : 4 coarse sand)</b>					
	Details of cost for 10 sqm.					
	MATERIAL					
	Fly ash bricks conforming to I.S. 12894	1000 Nos	0.565	5008.000	7007	2829.52
	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	0.280	2256.97	2113	631.95
	Rate as per Item Number 3.8 of SH: Mortars					
	Carriage of Bricks	1000 Nos	0.565	0.000	2201	0.00
	Sundries & Scaffolding LABOUR	L.S.	13.520	2.120	9999	28.66
	Mason (brick layer) 1st class	day	0.600	413.000	0123	247.80
	Mason (brick layer) 2nd class	day	0.600	369.000	0124	221.40
	Coolie	day	2.000	318.000	0115	636.00
	Bhisti	day	0.700	332.000	0101	232.40
	Extra labour for lifting of material (above floor two level up to floor five level)					
	Coolie	day	1.29	318.000	0115	410.22
	TOTAL					5237.95 W
	Add 1 % Water charges on "W"					52.38
	TOTAL					5290.33 (X)
	Add GST on "X" (multiplying factor 0.1405)					743.29
	TOTAL					6033.63 (Y)
	Add 15% CPOH on "Y"					905.04
	TOTAL					6938.67
	Add Cess @ 1% on "Z"					69.39
	Cost for 10 sqm.					7008.06
	Cost for 1 sqm.					700.81
	Say		Say	Rs.700.80	per sqm	





## BCD Analysis of Rates 2022

### BUILDING WORK

### 6.0 (D) BRICK WORK WITH LIME MORTAR

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
6.1.12D	Brick work with bricks of class designation 100A in foundations and plinth in :					
a)	Lime mortar (1:1:1) (1 limeputty: 1shukhi:1 coarse sand )					
	Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100A	thousand	0.494	4852.000	(2602)	2396.888
	lime mortar mortar 1:1:1	cum	0.280	2349.00	(2103)	657.720
	Carriage of bricks	1000 nos	0.494	0.000	(2201)	0.000
	Sundries	1 time	1.050	2.120	(9999)	2.226
	Labour:					
	mason 1st class	per day	0.360	413.000	(0123)	148.680
	mason IInd class	per day	0.360	369.000	(0124)	132.840
	Coolie	per day	1.370	318.000	(0115)	435.660
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					3840.414
	Add for water charges @ 1 %					38.404
	Total					3878.818
	Add GST 12% on "X"( multiplying factor 0.1405)					544.97
	Total					4423.79 (Y)
	Add 15% for contractor's profit and overheads on "Y"					663.569
	Cost of 1 cum					5087.361
	Add labour cess @ 1%					50.870
	Rate including labour cess					5138.231
			Say	Rs.5138.20		per cum
6.1.14D	lime mortar mortar 1:1:2(1 limeputty: 1 surkhi:2 coarse sand ) Details of cost for 1 cum					
	Materials:					
	Bricks of class designation 100A	thousand	0.494	4852.000	(2602)	2396.888
	limemortar 1:1:2	cum	0.280	1937.300	(2144)	542.444
	Carriage of bricks	1000 nos.	0.494	0.000	(2201)	0.000
	Sundries	1 time	1.050	2.120	(9999)	2.226
	Labour :					
	mason 1st class	per day	0.360	413.000	(0123)	148.680
	mason IInd class	per day	0.360	369.000	(0124)	132.840
	Coolie	per day	1.370	318.000	(0115)	435.660
	Bhishti	per day	0.200	332.000	(0101)	66.400
	Total					3725.138
	Add for water charges @ 1 %					37.251
	Total					3762.389 (X)
	Add GST 12% on "X"( multiplying factor 0.1405)					528.62
	Total					4291.01 (Y)
	Add 15% for contractor's profit and overheads on "Y"					643.651
	Cost of 1 cum					4934.656


299
BCD/SOR\_11<sup>th</sup> Edition\_2022

## BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
----------	-------------	------	-----	------	------------	----------

Add labour cess @ 1% 740.198  
 Rate including labour cess 5674.854

Say **Rs.5674.90** per cum

**6.3D Extra for Brick work in superstructure above plinth level upto floor V cum**

Details of cost for 1 cum

Labour:

mason 1st class	per day	0.110	413.000	(0123)	45.430
mason IInd class	per day	0.110	369.000	(0124)	40.590
Coolie	per day	0.430	318.000	(0115)	136.740
Sundries Scaffolding	1 time	8.600	2.120	(9999)	18.232

Extra Labour elemnt required for lifting of materials (Above floor two level upto floor V level.)  $0.75 \times 1.5 = 1.13$

Coolie	per day	1.130	318.000	(0115)	359.340
--------	---------	-------	---------	--------	---------

Total 600.332

Add for water charges @ 1 % 6.003

Total 606.335 (X)

Add GST 12% on "X" (multiplying factor 0.1405) 85.19

Total 691.53 (Y)

Add 15% for contractor's profit and overheads on "Y" 103.729

Cost or 1 cum 795.254

Add labour cess @ 1% 7.950

Rate including labour cess 803.204

Say **Rs.803.20** per cum