

SUB HEAD : 8.0
MARBLE & GRANITE WORKS

BCD Analysis of Rates 2022

BUILDING WORK 8.0 Marble & Granite Works

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
A8.1	Dressing of Marble for steps, jambs, walls, pillars and other plain work					
	Details of cost for 10 cudm					
	Stone mason (for plain work) II class	per day	0.35	369.00	(0125)	129.15
	Blacksmith 1st class	per day	0.02	413.00	(0102)	8.26
	Beldar	per day	0.06	306.00	(0114)	18.36
	Coolie	per day	0.02	318.00	(0115)	6.36
	Beandhani	per day	0.09	325.00	(0100)	29.25
	Skilled beldar (for rubbing)	per day	0.09	369.00	(0139)	33.21
	Cost of 10 cudm					224.59
	Add labour cess @ 1%					2.25
	Rate including labour cess					226.84
	Say					Rs. 226.80 per 10 cudm
A8.2	Dressing of marble for moulded jambs and heads, straight mouldings and plain arches or domes.					
	Details of cost for 10 cudm					
	Stone mason (for ornamental work) 1 class	per day	0.35	413.00	(0126)	144.55
	Stone mason (for plain work) II class	per day	0.35	369.00	(0125)	129.15
	Blacksmith 1st class	per day	0.02	413.00	(0102)	8.26
	Beldar	per day	0.06	306.00	(0114)	18.36
	Coolie	per day	0.02	318.00	(0115)	6.36
	Bandhani	per day	0.09	325.00	(0100)	29.25
	Skilled labour (for rubbing)	per day	0.06	369.00	(0139)	22.14
	Cost of 10 cudm					358.07
	Add labour cess @ 1%					3.58
	Rate including labour cess					361.65
	Say					Rs. 361.70 per 10 cudm
A8.3	Dressing of marble in moulded arches or domes and circular mouldings.					
	Details of cost for 10 cudm					
	Stone mason (for ornamental work) I class	per day	1.24	413.00	(0126)	512.12
	Blacksmith 1st class	per day	0.02	413.00	(0102)	8.26
	Beldar	per day	0.06	306.00	(0114)	18.36
	Coolie	per day	0.02	318.00	(0115)	6.36
	Bandhani	per day	0.09	325.00	(0100)	29.25
	Skilled beldar (for rubbing)	per day	0.53	369.00	(0139)	195.57
	Cost of 10 cudm					769.92
	Add labour cess @ 1%					7.7
	Rate including labour cess					777.62
	Say					Rs. 777.60 per 10 cudm
A8.4	Dressing of marble veneer work					
	Details of cost for 1 sqm					
	Stone mason (for plain work) II class	per day	1.35	369.00	(0125)	498.15
	Blacksmith 1st class	per day	0.11	413.00	(0102)	45.43
	Beldar	per day	0.3	306.00	(0114)	91.8
	Coolie	per day	0.11	318.00	(0115)	34.98
	Bandhani	per day	0.45	325.00	(0100)	146.25
	Skilled beldar (for rubbing)	per day	0.45	369.00	(0139)	166.05
	Cost of 1 sqm					982.66
	Add labour cess @ 1%					9.83
	Rate including labour cess					992.49
	Say					Rs. 992.50 per 10 cudm


 Say **Rs. 992.50 per 10 cudm**
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BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
A8.5	Labour for fixing marble in veneer work 2.5 cm to 5 cm thick.					
	Details of cost for 1 sqm					
	Labour:					
	Stone mason(for ornamental work) I class	per day	0.67	413.00	(0126)	276.71
	Bandhani	per day	0.67	413.00	(0102)	276.71
	Beldar	per day	0.67	306.00	(0114)	205.02
	Coolie	per day	0.67	318.00	(0115)	213.06
	Bhisti	per day	0.67	332.00	(0101)	222.44
	Mate	per day	0.330	325.00	(0128)	107.25
	Blacksmith 1st class	per day	0.270	413.00	(0102)	111.51
	Scaffolding	1 time	1.500	2.12	(9SS9)	3.18
	Cost of 1 sqm					1415.880
	Add labour cess @ 1%					14.16
	Rate including labour cess					1430.04
						Say Rs. 1430.00 per cudm
8.1	Marble work gang saw cut (polished and machine lcut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement:2 marble dust) with an admixture of pigment to match the marble shade: (To be secured to the backing by means of cramps, which shall be paid for separately)					
8.1.1	White Marble-Raj Nagar Plain/Udaipur green marble/ Zebra block marble					
8.1.1.1	Area of slab upto 0.50 sqm					
	Details of cost for 0.50 sqm					
	Finished work		=0.50 sqm			
	Add for wastage @ 20%		=0.10 sqm			
	Total		=0.60 sqm			
	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area upto 0.50 sqm)	sqm	0.600	538.00	(7452)	322.80
	Carriage of marble	tonne	0.030	145.72	(2216)	4.37
	Cement mortar 1:3(1 cement:3 coarse sand)	cum	0.008	2848.95	(2112)	22.79
	White cement mortar 1:2 (1 white cement: 2 marble dust)	cum	0.001	9183.69	(2128)	11.02
	(b) Fixing charges					
	Stone Mason (ornamental)	per day	0.335	413.00	(0126)	138.36
	Bandhani	per day	0.335	325.00	(0100)	108.88
	Beldar	per day	0.335	306.00	(0114)	102.51
	Coolie	per day	0.335	318.00	(0115)	106.53
	Bhishti	per day	0.335	332.00	(0101)	111.22
	Mate	per day	0.165	325.00	(0128)	53.63
	Balacksmith 1st class	per day	0.135	413.00	(0102)	55.77
	Scaffolding	1 time	13.390	2.12	(9999)	28.39
	Total					1066.26
	Add for water charges @ 1 %					10.663
	Total					1076.920 (X)
	Add GST 12% on "X"(multiplying factor 0.1405)					151.31
	Total					1228.23 (Y)
	Add for contractor's profit and over-heads @ 15% on "Y"					184.234
	Cost of 0.5 sqm					1412.461
	Cost of 1 sqm,					2824.922
	Add labour cess @ 1%					28.25
	Rate including labour cess					2853.172
						Say Rs. 2853.20 sqm

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.1.1.2	Area of slab over 0.50 sqm					
	Details of cost for 1.0 sqm					
	Finished work =1.0 sqm					
	Add for wastage @ 20% = 0.20 sqm					
	Total = 1.20 sqm					
	Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)	sqm	1.200	650.00	(7453)	780.00
	Carriage of marble	tonne	0.060	145.72	(2216)	8.74
	Cement mortar 1:3(1 cement:3 coarse sand)	cum	0.014	2848.95	(2112)	41.02
	White cement mortar 1:2 (1 white cement: 2 marble dust)	cum	0.0025	9183.69	(2128)	22.96
	Labour:					
	(b) Fixing charges					
	Stone Mason (ornamental)	per day	0.670	413.00	(0126)	276.71
	Bandhani	per day	0.670	325.00	(0100)	217.75
	Beldar	per day	0.670	306.00	(0114)	205.02
	Coolie	per day	0.670	318.00	(0115)	213.06
	Bhishti	per day	0.670	332.00	(0101)	222.44
	Mate	per day	0.330	325.00	(0128)	107.25
	Balacksmith 1st class	per day	0.270	413.00	(0102)	111.51
	Scaffolding	1 time	26.910	2.12	(9999)	57.05
	Total					2263.52
	Add for water charges @ 1 %					22.64
						2286.15
	Add GST 12% on "X"(multiplying factor 0.1405)					321.20
	Total					2607.36 (Y)
	Add for contractor's profit and over-heads @ 15%					391.10
	Cost of 1.0 sqm					2998.46
	Add labour cess @ 1%					29.98
	Rate including labour cess					3028.44
	Say Rs. 3028.40 sqm					
8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.					
8.2.1	Rajnagar plain White marble /Udaipur green marble/ Zebra block marble					
8.2.1.1	Area of slab upto 0.50 sqm					
	Details of cost for 0.50 sqm					
	Mirror polished Abu plain white =0.500 sqm					
	Wastage 5% =0.025 sqm					
	0.525 sqm					
	Raj nagar plain white marble (table rubbed and polished)18 mm thick (slab area upto 0.50 sqm)	sqm	0.525	538.00	(7452)	282.45
	20 mm thick cement mortar 1:4(1 cement:4 coarse sand)	cum	0.012	2256.97	(2113)	27.08
	Labour:					
	Mason 1st class	per day	0.700	413.00	(0123)	289.10
	Beldar	per day	0.325	318.00	(0115)	103.35
	Coolie	per day	0.325	306.00	(0114)	99.45


342
A
B

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BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Moulding and edge polishing	LS	39.000	2.12	(9999)	82.68
	Sundries epoxy resin & cutting machine etc.	LS	16.250	2.12	(9999)	34.45
	Add for water charges @ 1%					9.186
						927.749
	Add GST 12% on "X"(multiplying factor 0.1405)					130.35
	Total					1058.10 (Y)
	Add for contractor's profit and over-heads @ 15%					158.715
	Cost of 0.5 sqm					1216.813
	Cost of 1 sqm					2433.626
	Add labour cess @ 1%					24.34
	Rate including labour cess					2457.96555
						Say Rs. 2458.00 per sqm

8.2.1.2 Area of slab over 0.50 sqm

Details of cost for 1.00 sqm
Mirror polished Abu plain white = 1.00 sqm
Wastage 5% = 0.05 sqm
Total = 1.05 sqm

Raj nagar plain white marble (table rubbed and polished) 18 mm thick (slab area more than 0.50 sqm)

20 mm thick cement mortar 1:4(1 cement:4 coarse sand)

LABOUR:

Mason (brick layer) 1 st class

Beldar

Coolie

Moulding and edge polishing

Sundries epoxy resin & cutting machine etc.

TOTAL

Add Water Charges @ 1%

TOTAL

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

Total

Add CPOH @ 15%

Cost of 1 sqm

Add labour cess @ 1%

Rate including labour cess

sqm	1.05	650.00	(7453)	682.50
cum	0.024	2256.97	(2113)	54.17
day	1.4	413.00	(0123)	578.20
day	0.65	318.00	(0115)	206.70
day	0.65	306.00	(0114)	198.90
L.S.	78	2.12	(9999)	165.36
L.S.	32.5	2.12	(9999)	68.90
				1954.73
				19.55
				1974.27
				277.39
				2251.66 (Y)
				337.749024
				2589.41
				25.89
				2615.29918

Say Rs. 2615.30 per sqm

8.2.2 Granite stone slab colour black,Cherry/Ruby red and shade

8.2.2.1 Area of slab upto 0.50 sqm

Details of cost for 0.50 sqm

Mirror polished granite= 0.50 sqm.

Wastage % = 0.025 sqm

Total = 0.525 sqm

Granite of any colour, 18 mm thick (slab area upto 0.50 sqm)

20 mm thick cement mortar 1:4(1 cement:4 coarse sand)

Labour:

Mason 1st class

Beldar

Coolie

per day	0.700	413.00	(0123)	289.10
per day	0.325	318.00	(0115)	103.35
per day	0.325	306.00	(0114)	99.45

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Moulding and edge polishing	L.S.	39.000	2.12	(9999)	82.68
	Sundries epoxy resin & cutting machine etc.	L.S.	16.250	2.12	(9999)	34.45
	Add for water charges @ 1 %					15.856
						1601.484
	Add GST 12% on "X"(multiplying factor 0.1405)					225.01
	Total					1826.49 (Y)
	Add for contractor's profit and over-heads @ 15%					273.974
	Cost of 0.5 sqm					2100.466
	Cost of 1 sqm					4200.932
	Add labour cess @ 1%					42.01
	Rate including labour cess					4242.94242
						Say Rs. 4242.90 per sqm
8.2.2.2	Area of slab over 0.50 sqm					
	Details of cost for 2.00 sqm					
	Mirror polished granite= 2.00 sqm					
	Wastage 5% = 0.10sqm					
	Total = 2.10sqm					
	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	2.10	2000.00	(7298)	4200.00
	20 mm thick cement mortar 1:4(1 cement:4 coarse sand)	cum	0.048	2256.97	(2113)	108.33
	Labour:					
	Mason 1st class	per day	2.80	413.00	(0123)	1156.40
	Beldar	per day	1.30	318.00	(0115)	413.40
	Coolie	per day	1.30	306.00	(0114)	397.80
	Moulding and edge polishing	L.S.	78.00	2.12	(9999)	165.36
	Sundries epoxy resin & cutting machine etc.	L.S.	65.00	2.12	(9999)	137.80
	TOTAL					6579.09
	Add Water Charges @ 1%					65.79
	TOTAL					6644.89
	Add GST 12% on "X"(multiplying factor 0.1405)					933.61
	Total					7578.49 (Y)
	Add CPOH @ 15%					1136.77
						8715.27
	Cost of 2 sqm					8715.27
	Cost of 1 sqm					4357.63
	Add labour cess @ 1%					43.58
	Rate including labour cess					4401.21
						Say Rs. 4401.20 per sqm
8.3	Providing edge moulding to 18 mm thick marble stone counters, vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					
8.3.1	Marble work					
	Details of cost for 10.00 m					
	Labour:					
	Hand Grinder for mirror polish	Per day	1.500	250.00	(0019)	375.00
	Beldar	per day	2.000	306.00	(0114)	612.00
	Sundries Blades & polished etc.	LS	78.000	2.12	(9999)	165.36
	Add for water charges @ 1 %					11.524
						1163.884
	Add GST 12% on "X"(multiplying factor 0.1405)					163.53
	Total					1327.41 (Y)


344
A
B

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add for contractor's profit and over-heads @ 15%					199.111
	Cost of 10 m					1526.521
	Cost of 1 m					152.652
	Add labour cess @ 1%					1.53
	Rate including labour cess					154.18
						Say Rs. 154.20 per m

8.3.2 Granite work

Details of cost for 10.00m

Labour:

Hand Grinder for mirror polish	Per day	2.500	250.00	(0019)	625.00
Beldar	per day	3.50	306.00	(0114)	1071.15
Sundries Blades & polished etc.	LS	117.00	2.12	(9999)	248.04
Add for water charges @ 1%					19.442
					1963.635

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

275.89

Total

2239.53 (Y)

Add for contractor's profit and over-heads @ 15%

335.929

Cost of Om

2575.454

Cost of 1 m

257.545

Add labour cess @ 1%

2.58

Rate including labour cess

260.125448

Say Rs. 260.10 per m

8.4 Extra for fixing marble/granite stone over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.

Details of cost for facia 1.5m long and 0.15 m wide

Labour:

Mason 1st class	per day	0.300	413.00	(0123)	123.90
Beldar	per day	0.300	318.00	(0115)	95.40
Scaffolding, epoxy	LS	39.000	2.12	(9999)	82.68
Cement mortar 1:4					
1.5x0.15x0.02=0.005 cum	cum	0.005	2256.97	(2113)	11.28
Add for water charges @ 1%					3.133

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

316.398

44.45

Total

360.85 (Y)

Add for contractor's profit and over-heads @ 15%

54.128

Cost of 1.5 m

414.979

Cost of 1 m

276.653

Add labour cess @ 1%

2.77

Rate including labour cess

279.422705

Say Rs. 279.40 per m

8.5 Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform. Vanity counters and similar location in marble/granite/stone work including necessary holes for pillar taps etc. including rubbing, moulding and polishing of cut edges etc. complete.

Details of cost for providing one opening of required size

Labour:

Mason (for ornamental stone work) 1st class	day	0.400	413.00	(0126)	165.20
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BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Beldar	day	0.400	306.00	(0114)	122.40
	Sundries	LS	15.300	2.12	(9999)	32.44
	Total					320.04
	Add for water charges @ 1%					3.200
	Total					323.236
	Add GST 12% on "X" (multiplying factor 0.1405)					45.41
	Total					368.65 (Y)
	Add for contractor's profit and over-heads @ 15%					55.298
	Cost of 1 opening					423.949
	Add labour cess @ 1%					4.24
	Rate including labour cess					428.19
						Say Rs. 428.20 each

8.6 Mirror polishing on marble work/ granite work/ stone work where ever required to give high gloss finish complete.

Details of cost for 10 sqm

Labour:

Floor grinder machine for rubbing floors	Per day	1.000	300.00	(0013)	300.00
Beldar	per day	2.500	306.00	(0114)	765.00
Bhisti	per day	1.500	332.00	(0101)	498.00
Sundries greases, mop grinding stones etc.	LS	65.000	2.12	(9999)	137.80
Add for water charges @ 1 %					17.01
					1717.81
Add GST 12% on "X" (multiplying factor 0.1405)					241.35
Total					1959.16 (Y)
Add for contractor's profit and over-heads @ 15%					293.87
C.ost of 10 sqm					2253.03
Cost of 1 sqm					225.30
Add labour cess @ 1%					2.25
Rate including labour cess					227.55
					Say Rs. 227.60 per sqm

8.7 Providing and fixing cramps of required size & shape in RCC/ CC / Brick masonry backing with cement mortar 1:2 (1 cement :2 coarse sand), including drilling necessary hole in stones and embedding the cramp in the hole (fastener to be paid separately).

8.7.1 Gunmetal cramps

Details of cost for 10 cramps

MATERIAL:

Gun Metal cramp

$$10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$$

$$10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$$

$$= 13.3 \times 10^{-5}$$

Less hole

$$10 \times 0.024 \times 0.010 \times 0.006 = 1.4 \times 10^{-5}$$

$$= 11.9 \times 10^{-5}$$

$$11.9 \times 10^{-5} \times 8640 = 1.03 \text{ kg}$$

$$\text{Add wastage @ 5\%} = 0.051 \text{ kg}$$

$$= 1.08 \text{ kg}$$

Gun metal cramp

kilogram

1.08

315.00

(7338)

340.20

Carriage

L.S.

3.90

2.12

(9999)

8.27

Cement mortar 1:2 (1 cement: 2 coarse sand)

Rate as per Item Number 2111 of SH: Mortars cum

0.001

3601.99

(2111)

3.60

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Handwritten signatures and initials: A, B

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BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Labour for fixing in position	L.S.	65.00	2.12	(9999)	137.80
	Rate including labour cess					
	TOTAL			Say Rs. 265.00	per nos	489.87
	Add Water Charges @ 1%					4.90
	TOTAL					494.77
	Add GST 12% on "X"(multiplying factor 0.1405)					69.52
	Total					564.28 (Y)
	Add CPOH @ 15%					84.64
	Cost of 1.03 kg					648.93
	Cost of 1 kg					630.03
	Add labour cess @ 1%					6.30
	Rate including labour cess					636.33
				Say Rs. 636.30 per Kg		

8.7.2 Stainless steel cramps Details of cost for 10 cramps

MATERIAL:

Stainless steel cramp

$$10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$$

$$10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$$

$$= 13.3 \times 10^{-5}$$

Less hole

$$10 \times 0.024 \times 0.010 \times 0.006 = 1.4 \times 10^{-5}$$

$$= 11.9 \times 10^{-5}$$

$$11.9 \times 10^{-5} \times 7850 = 0.934 \text{ kg}$$

$$\text{Add wastage @ 5\%} = 0.047 \text{ kg}$$

$$= 0.981 \text{ kg}$$

Stainless steel cramp

kilogram

0.98

290.00

(7339)

284.49

Carriage

L.S.

3.90

2.12

(9999)

8.27

Cement mortar 1:2 (1 cement: 2 coarse sand)

Rate as per Item Number 2111 of SH: Mortars cum

0.001

3601.99

(2111)

3.60

Labour for fixing in position

L.S.

65.00

2.12

(9999)

137.80

8.8 Providing and fixing expansion hold fasteners on CC/R.C.C. surface backing including drilling necessary holes and the cost of bolt etc complete.

8.8.1 Wedge expansion type

8.8.1.1 Fastner with threaded dia. 1/4" or 6mm

Details of cost for 30 nos. W.E.H. fastener

Materials:

Wedge expansion hold fastener size 6mm

36.5 mm length

each

30.000

8.00

(7430)

240.00

Bolt and nuts up to 300mm in Length

quintal

0.0045

5200.00

(1034)

23.40

(36.5+10mm)

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Labour:					
	Fitter graded V	per day	0.250	420.00	(0116)	105.00
	Beldar	per day	0.250	306.00	(0114)	76.50
	Hire and running charges for hand drill machine					
	Sundries, drilling bit scaffolding etc.	1 time	32.500	2.12	(9999)	68.90
	Add for water charges @ 1%					5.14
						518.94
	Add GST 12% on "X"(multiplying factor 0.1405)					72.91
	Total					591.85 (Y)
	Add for contractor's profit and over-heads @ 15%					88.78
	Cost of 30 nos					680.63
	Cost of 1 no					22.69
	Add labour cess @ 1%					0.23
	Rate including labour cess					22.92

Say Rs. 22.90 Each

8.8.1.2 Fastner with threaded dia. 3/8" or 10 mm

Details o cost for 30 nos. W.E.H. fastener

Materials:

Wedge expansion hold fastener size 3/8" or 10 mm

44.5mm length

each	30.000	10.00	(7431)	300.00
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quintal	0.006	5200.00	(1034)	31.20
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(44.5 + 10mm)

Labour:

Fitter grade 1	per day	0.250	420.00	(0116)	105.00
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Beldar	per day	0.250	306.00	(0114)	76.50
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Hire and running charges for hand drill machine					
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Sundries,drilling bit scaffolding etc.	1 time	32.500	2.12	(9999)	68.90
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Add for water charges @ 1%					5.816
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					587.416
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Add GST 12% on "X"(multiplying factor 0.1405)					82.53
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Total					669.95 (Y)
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Add for contractor's profit and over-heads @ 15%					100.492
--	--	--	--	--	---------

Cost of 30 nos					770.440
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Cost of 1 no					25.681
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Add labour cess @ 1%					0.26
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Rate including labour cess					25.941338
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Say Rs. 26.00 Each

8.8.1.3 Fastner with threaded dia. 1/2" or 12mm Details of cost for 30 nos. W.E.H. fastener Materials:

Wedge expansion hold fastener size 12 mm 58.7

mm length	each	30.000	24.00	(7432)	720.00
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Bolt and nuts up to 300mm in Length	quintal	0.008	5200.00	(1034)	39.00
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(58.7+10mm) @ 0.05kg/each

Labour:

Fiter grade 1	per day	0.250	420.00	(0116)	105.00
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Beldar	per day	0.250	306.00	(0114)	76.50
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Hire and running charges for hand drill machine					
---	--	--	--	--	--

Sundires.drilling bit scaffolding etc.	1 time	32.500	2.12	(9999)	68.90
--	--------	--------	------	--------	-------

Add for water chargers @ 1 %					10.094
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					1019.494
--	--	--	--	--	----------

Add GST 12% on "X"(multiplying factor 0.1405)					143.24
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348
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Total					1162.73 (Y)
	Add for contractor's profit and over-heads @ 15%					174.410
	Cost of 30 nos					1337.143
	Cost of 1 no					44.571
	Add labour cess @ 1%					0.45
	Rate including labour cess					45.0214281
				Say Rs.	45.10 Each	

8.9 Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/ sqm including pointing in white cement complete.

8.9.1 8 mm thick

8.9.1.1 Raj nagar plain white marble / Udaipur green marble / Zebra black marble

Details of cost for 1 sqm

8mm thick marble tiles.

Qty. = 1.00 sqm. +

Add wastage @2.5% = 0.025 sqm

Total = 1.025 sqm

8 mm thick marble tiles (polished) Raj Nagar	sqm	1.025	400.00	(2751)	410.00
Carriage of tiles	L.S.	3.95	2.12	(9999)	8.37
Cement mortar 1:3 (1 Cement: 3 Coarse sand)					
Rate as per Item Number 2112 of SH: Mortars cum		0.014	2848.95	(2112)	39.89
Mortar for pointing	L.S.	25.38	2.12	(9999)	53.81
Portland Cement	tonne	0.0033	4408.00	(0367)	14.55
Mason (brick layer) 1 st class	day	1.00	413.00	(0123)	413.00
Beldar	day	1.00	306.00	(0114)	306.00
Sundries etc.	L.S.	16.90	2.12	(9999)	35.83

TOTAL

Add Water Charges @ 1%

TOTAL

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

Total

Add CPOH @ 15%

Cost of 1 sqm

Add labour cess @ 1%

Rate including labour cess

1476.10 (Y)

221.41

1697.51

16.98

1714.49

Say Rs. 1714.50 per sqm

8.9.1.2 Granite of any colour and shade

Details of cost for 1 sqm

8mm thick Granite tiles.

Qty. = 1.00 sqm.

Add wastage. @2.5% = 0.025sqm

Total = 1.025 sqm

8 mm thick granite stone tiles (mirror polished of all shades)	sqm	1.025	690.00	(2750)	707.25
Carriage of tiles	L.S.	3.95	2.12	(9999)	8.37
Cement mortar 1:3 (1 Cement: 3 Coarse sand)					
Rate as per Item Number 2112 of SH: Mortars cum		0.014	2848.95	(2112)	39.89
Mortar for pointing	L.S.	25.38	2.12	(9999)	53.81
Portland Cement	tonne	0.0033	4408.00	(0367)	14.55
Mason (brick layer) 1 st class	day	1.00	413.00	(0123)	413.00
Beldar	day	1.00	306.00	(0114)	306.00
Sundries etc.	L.S.	16.90	2.12	(9999)	35.83

TOTAL

1578.69

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add Water Charges @ 1%					15.79
	TOTAL					1594.48
	Add GST 12% on "X"(multiplying factor 0.1405)					224.02
	Total					1818.50 (Y)
	Add CPOH @ 15%					272.78
	Cost of 1 sqm					2091.28
	Add labour cess @ 1%					20.91
	Rate including labour cess					2112.19

Say Rs. 2112.20 per sqm

8.9.2 Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/ sqm including pointing in white cement complete.

8.9.2.1 8 mm thick

8.9.2.1 Raj nagar plain white marble / Udaipur green marble / Zebra black marble

Details of cost for 1 sqm

8mm thick marble tiles.

Qty. = 1.00 sqm. +

Add wastage @2.5% = 0.025 sqm

Total = 1.025 sqm

8 mm thick marble tiles (polished) Raj Nagar	sqm	1.03	400.00	(2751)	410.00
Carriage of tiles	L.S.	3.95	2.12	(9999)	8.37
Cement mortar 1:3 (1 Cement: 3 Coarse sand)					
Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	2848.95	(2112)	39.89
Mortar for pointing	L.S.	25.38	2.12	(9999)	53.81
Portland Cement	tonne	0.0033	4408.00	(0367)	14.55
Mason (brick layer) 1 st class	day	1.00	413.00	(0123)	413.00
Beldar	day	1.00	306.00	(0114)	306.00
Sundries etc.	L.S.	16.90	2.12	(9999)	35.83

TOTAL

1281.44

Add Water Charges @ 1%

12.81

TOTAL

1294.25

Add GST 12% on "X"(multiplying factor

181.84

0.1405)

Total

1476.10 (Y)

Add CPOH @ 15%

221.41

Cost of 1 sqm

1697.51

Add labour cess @ 1%

16.98

Rate including labour cess

1714.49

Say Rs. 1714.50 per sqm

8.9.2.2 Granite of any colour and shade

Details of cost for 1 sqm

8mm thick Granite tiles.

Qty. = 1.00 sqm.

Add wastage. @2.5% = 0.025sqm

Total = 1.025 sqm

8 mm thick granite stone tiles (mirror polished of all shades)

8 mm thick granite stone tiles (mirror polished of all shades)	sqm	1.025	690.00	(2750)	707.25
Carriage of tiles	L.S.	3.95	2.12	(9999)	8.37
Cement mortar 1:3 (1 Cement: 3 Coarse sand)					
Rate as per Item Number 3.8 of SH: Mortars	cum	0.014	2848.95	(2112)	39.89
Mortar for pointing	L.S.	25.38	2.12	(9999)	53.81
Portland Cement	tonne	0.0033	4408.00	(0367)	14.55
Mason (brick layer) 1 st class	day	1.00	413.00	(0123)	413.00

Handwritten signatures and initials: P, L, B, A, 350

Handwritten signature: P/A

Handwritten signature: B

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Beldar	day	1.00	306.00	(0114)	306.00
	Sundries etc.	L.S.	16.90	2.12	(9999)	35.83
	TOTAL					1578.69
	Add Water Charges @ 1%					15.79
	TOTAL					1594.48
	Add GST 12% on "X"(multiplying factor 0.1405)					224.02
	Total					1818.50 (Y)
	Add CPOH @ 15%					272.78
	Cost of 1 sqm					2091.28
	Add labour cess @ 1%					20.91
	Rate including labour cess					2112.19
	Say Rs. 2112.20 per sqm					

8.10 Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone finished smooth.aggregate 6 mm nominal size) as per direction of Engineer-in-Charge and

8.10.1 White Agaria Marble Stone

Details of cost for one No or 0.375 sqm

MATERIAL:

Agaria Marble Stone 1 x 0.75 x 0.50 = 0.375

Add wastage @ 20% = 0.075 sqm.

Total = 0.45sqm

Table rubbed polished stone 18 mm thick (75x50cm)

Agaria Marble stone - 18 mm thick

Cement concrete 1:2:4 for filling

Labour for fixing, edge rounding and final polishing

Sundries

TOTAL

Add Water Charges @ 1%

TOTAL

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

Total

Add CPOH @ 15%

Cost of 0.375 sqm

Cost of 1 sqm

Add labour cess @ 1%

Rate including labour cess

Say Rs. 3061.20 per sqm

8.10.2 Granite Stone of approved shade

Details of cost for one No or 0.375 sqm

MATERIAL:

Granite Stone 1x0.75x0.50 = 0.375sqm.

Add wastage @ 20% = 0.075 sqm

Total = 0.45 sqm

Table rubbed polished stone 18mm thick (75x50cm)

Granite stone - 18 mm thick

Cement concrete 1:2:4 for fixing

sqm

0.45

1800.00

(7245)

810.00

L.S.

21.58

2.12

(9999)

45.75

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Labour for fixing, edge rounding and final polishing	hr	43.16	2.12	(9999)	91.50
	Sundries	L.S.	21.58	2.12	(9999)	45.75
	TOTAL					993.00
	Add Water Charges @ 1%					9.93
	TOTAL					1002.93
	Add GST 12% on "X"(multiplying factor 0.1405)					140.91
	Total					1143.84 (Y)
	Add CPOH @ 15%					171.58
	Cost of 0.375 sqm					1315.42
	Cost of 1 sqm					3507.78
	Add labour cess @ 1%					35.08
	Rate including labour cess					3542.86
				Say Rs.		3542.90 per sqm

8.11 Providing and fixing machine cut, mirror / eggshell polished , Marble stone work for wall lining (vener work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement :3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.

(a) 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.


Details of cost for 1.00 sqm
 Details of cost for 0.5 sqm
 Finished work= 0.5 sqm
 Add for wastage @ 20%=0.1sqm
 Total 0.60 sqm


MATERIAL:

18 mm thick Italian Marble stone slab, Perlato (slab area up to 0.5 sqm).	sqm	0.6	3209.00	(1240)	1925.40
Carriage of stone blocks white & red sand stone & kota stone slab	tonne	0.03	145.72	(2216)	4.37
Rate as per Item Number 2112 of SH: Mortars	cum	0.008	2848.95	(2112)	22.79
White Cement	tonne	0.00165	11200.00	(0368)	18.48
Slurry @ 3.3kg/ sqm					
Carriage of cement	tonne	0.00165	145.72	(2209)	0.24
Mortar for pointing in white cement	L.S.	25.35	2.12	(9999)	53.74

LABOUR:

For fixing					
Mason (for ornamental stone work) 1 st class	day	0.335	413.00	(0126)	138.36
Bandhani	day	0.335	325.00	(0100)	108.88
Beldar	day	0.335	306.00	(0114)	102.51
Coolie	day	0.335	318.00	(0115)	106.53
Bhisti	day	0.335	332.00	(0101)	111.22
Mate	day	0.165	325.00	(0128)	53.63
Blacksmith 1 st class	day	0.135	413.00	(0102)	55.76
Scaffolding	L.S.	13.39	2.12	(9999)	28.39
TOTAL					2730.28
Add Water Charges @ 1%					27.30
TOTAL					2757.59
Add GST 12% on "X"(multiplying factor 0.1405)					387.44
Total					3145.03 (Y)


352


BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add CPOH @ 15%					471.75
	Cost of 0.5 sqm					3616.78
	Cost of 1 sqm					7233.56
	Add labour cess @ 1%					72.34
	Rate including labour cess					7305.90

Say Rs. 7305.90 per sqm

- 8.12 Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20mm(average) thick base of cement mortar 1:4(1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :

- a.) Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.

Details of cost for 1.00 sqm

MATERIAL:

18 mm thick Flamed finish granite stone slab
10.00 sqm
Add for wastage 15%= 1.50 sqm
Total: 11.50 sqm

18 mm thick Flamed finish granite stone slab	sqm	11.50	1000.00	(1239)	11500.00
Carriage of stone blocks white & red sand stone & kota stone slab	tonne	0.67	145.72	(2216)	97.63

Rate as per Item Number 2113 of SH:

Mortars	cum	0.22	2256.97	(2113)	505.56
Portland Cement	tonne	0.05	4408.00	(0367)	220.40
Black colour dark shade pigment	kilogram	4.50	70.00	(0874)	315.00
Carriage of cement	tonne	0.05	145.72	(2209)	7.29
Mortar for pointing in white cement	L.S.	25.35	2.12	(9999)	53.74

LABOUR:

Mason (brick layer) 2nd class	day	1.20	369.00	(0124)	442.80
Beldar	day	1.00	306.00	(0114)	306.00
Coolie	day	1.00	318.00	(0115)	318.00
Skilled Beldar (for floor rubbing etc.)	day	5.00	369.00	(0139)	1845.00
Sundries	L.S.	208.13	2.12	(9999)	441.24

TOTAL

Add Water Charges @ 1% 16052.66

TOTAL 160.53

Add GST 12% on "X"(multiplying factor 16213.18

0.1405) 2277.95

Total 18491.14 (Y)

Add CPOH @ 15% 2773.67

Cost of 10 sqm 21264.81

Cost of 1 sqm 2126.48

Add labour cess @ 1% 21.26

Rate including labour cess 2147.74


Say Rs. 2147.70 per sqm

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.13	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.					
8.13.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.					
	Details of cost for 10.00 sqm					
	MATERIAL					
	18 mm thick polished finish granite stone slab 10.00 sqm					
	10.00 + 1.50 (Add for wastage 15%)= 11.50 sqm					
7297	Granite of any colour, 18 mm thick (slab area above 0.50 sqm)	sqm	11.5	2000.00	(7298)	23000.00
2216	Carriage of Stone blocks white & red sand					
	stone & kota stone slab	tonne	0.67	145.72	(2216)	97.63
3.9	Rate as per Item No.3.9 of SH: MORTARS	cum	0.224	2256.97	(2113)	505.56
367	Portland Cement	tonne	0.05	4408.00	(0367)	220.40
874	Black colour dark shade pigment	kilogram	4.5	70.00	(0874)	315.00
2209	Carriage of Cement	tonne	0.05	145.72	(2209)	7.29
9999	Mortar for pointing in white cement (11.22)	L.S.	25.35	2.12	(9999)	53.74
	LABOUR :					
124	Mason (brick layer) 2nd class	day	1.2	369.00	(0124)	442.80
114	Beldar	day	1	306.00	(0114)	306.00
115	Coolie	day	1	318.00	(0115)	318.00
139	Skilled Beldar (for floor rubbing etc.)	day	2	369.00	(0139)	738.00
19	Machine for cutting (hand grinding)	day	2	250.00	(0019)	500.00
9999	Sundries	L.S.	208.13	2.12	(9999)	441.24
	TOTAL					26945.66
	Add 1 % Water charges					269.46
	TOTAL					27215.11
	Add GST 12% on "X"(multiplying factor 0.1405)					3823.72
	Total					31038.8 (Y)
	Add 15 % Contractor's profit and overheads					4655.83
	Cost of 10 sqm					35694.66
	Cost of 1 sqm					3569.47
	Add labour cess @ 1%					35.69
	Rate including labour cess					3605.16
				Say Rs.		3605.20 per sqm

8.14 Stone work (machine cut edges) for wall lining etc. (vener work) upto 10 metre height, backing filled with a grout of average 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade : (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately) :

8.14.1 Red sand stone - exposed face fine dressed with rough backing


354
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.14.1.1 70 mm thick						
Details of cost for 1 sqm.						
MATERIAL						
Finished work = 70 cudm. + Add wastage @ 33.3% = 23.33 cudm.						
Total = 93.33 cudm.						
1160	Red sand stone block	10 cudm	9.333	80.00	1160	746.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	145.72	2216	31.33
9999	Extra for using white cement	L.S.	26.910	2.12	9999	57.05
Dressing charges						
LABOUR						
0125	Mason (for plain stone work) 2nd class)	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
Fixing charges						
LABOUR						
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie'	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
Mortar for laying and pointing						
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
TOTAL						2252.25 W
Add 1 % Water charges on "W"						22.52
TOTAL						2274.77 X
Add GST on "X" (multiplying factor 0.1405)						319.60
TOTAL						2594.37 Y
Add 15% CPOH on "Y"						389.16
TOTAL						2983.53 Z
Add Cess @ 1% on "Z"						29.84
Cost of 1 sqm.						3013.36
Rate including labour cess						3013.36
				Say Rs.	3013.40 per sqm	
8.14.1.2 60 mm thick						
Details of cost for 1 sqm.						
MATERIAL						
Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.						
1160	Red sand stone block	10 cudm	8.00	80.00	1160	640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.184	145.72	2216	26.81
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
Dressing charges						
LABOUR						
0125	Mason (for plain stone work) 2nd class)	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
2112	Mortar for laying and pointing(1:3) Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					2141.09 W
	Add 1 % Water charges on "W"					21.41
	TOTAL					2162.50 X
	Add GST on "X" (multiplying factor 0.1405)					303.83
	TOTAL					2466.33 Y
	Add 15% CPOH on "Y"					369.95
	TOTAL					2836.28 Z
	Add Cess @ 1% on "Z"					28.36
	Cost of 1 sqm.					2864.64
	Rate including labour cess					2864.64
				Say Rs.		2864.60 per sqm

8.14.1.3 50 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 50 cu dm + Add wastage @ 33.3% = 16.7 cu dm. Total = 66.7 cu dm.

1160	Red sand stone block	10 cu dm	6.67	80.00	1160	533.60
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.153	145.72	2216	22.30
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
2112	Mortar for laying and pointing Rate as per Item Number 3.8 of(1:3) SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					2030.17 W
	Add 1 % Water charges on "W"					20.30
	TOTAL					2050.47 X
	Add GST on "X" (multiplying factor 0.1405)					288.09

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356

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BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	TOTAL					2338.56 Y
	Add 15% CPOH on "Y"					350.78
	TOTAL					2689.35 Z
	Add Cess @ 1% on "Z"					26.89
	Cost of 1 sqm.					2716.24
	Rate including labour cess					2716.24
				Say Rs.		2716.20 per sqm

8.14.1.4 40 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm. Total = 53.33 cudm.

1160	Red sand stone block	10 cudm	5.33	80.00	1160	426.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	145.72	2216	17.92
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
2112	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					1918.84 W
	Add 1 % Water charges on "W"					19.19
	TOTAL					1938.03 X
	Add GST on "X" (multiplying factor 0.1405)					272.29
	TOTAL					2210.32 Y
	Add 15% CPOH on "Y"					331.55
	TOTAL					2541.87 Z
	Add Cess @ 1% on "Z"					25.42
	Cost of 1 sqm.					2567.29
	Rate including labour cess					2567.29
				Say Rs.		2567.30 per sqm

8.14.1.5 30 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 30 cudm+Add wastage @ 33.3% = 13.33 cudm. Total = 39.99 cudm.

1160	Red sand stone block	10 cudm	3.999	80.00	1160	319.92
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	145.72	2216	13.41
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
2112	Mortar for laying and pointing (1:3) Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					1807.60 W
	Add 1 % Water charges on "W"					18.08
	TOTAL					1825.68 X
	Add GST on "X" (multiplying factor 0.1405)					256.51
	TOTAL					2082.19 Y
	Add 15% CPOH on "Y"					312.33
	TOTAL					2394.51 Z
	Add Cess @ 1% on "Z"					23.95
	Cost of 1 sqm.					2418.46
	Rate including labour cess					2418.46

Say Rs. 2418.50 per sqm

8.14.2 Red sand stone - Exposed face machine cut and table rubbed with rough backing

8.14.2.1 70 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 70 cudm + Add wastage @ 33.3% = 23.33 cudm. Total = 93.33 cudm.

1160	Red sand stone block	10 cudm	9.333	80.00	1160	746.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.215	145.72	2216	31.33
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55

358  BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
3.8	Mortar for laying and pointing				3.8	
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95		51.28
	TOTAL					2940.57 W
	Add 1 % Water charges on "W"					29.41
	TOTAL					2969.98 X
	Add GST on "X" (multiplying factor 0.1405)					417.28
	TOTAL					3387.26 Y
	Add 15% CPOH on "Y"					508.09
	TOTAL					3895.35 Z
	Add Cess @ 1% on "Z"					38.95
	Cost of 1 sqm.					3934.30
	Rate including labour cess					3934.30

Say Rs. 3934.30 per sqm

8.14.2.2 60 mm thick

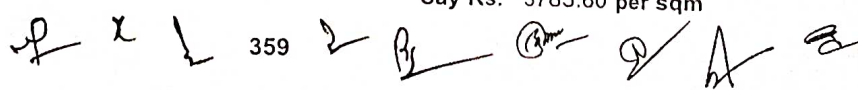
Details of cost for 1 sqm.

MATERIAL

Finished work = 60 cudm+Add wastage @ 33.3% = 20 cudm. Total = 80 cudm.

1160	Red sand stone block	10 cudm	8.00	80.00	1160	640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm				2216	
9999	Extra for using white cement	tonne	0.184	145.72		26.81
	Dressing charges	L.S.	26.91	2.12	9999	57.05
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	3.8	51.28
	TOTAL					2829.41 W
	Add 1 % Water charges on "W"					28.29
	TOTAL					2857.71 X
	Add GST on "X" (multiplying factor 0.1405)					401.51
	TOTAL					3259.22 Y
	Add 15% CPOH on "Y"					488.88
	TOTAL					3748.10 Z
	Add Cess @ 1% on "Z"					37.48
	Cost of 1 sqm.					3785.58
	Rate including labour cess					3785.58

Say Rs. 3785.60 per sqm



BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.14.2.3	50 mm thick					
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 50 cudm+Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.					
1160	Red sand stone block	10 cudm	6.67	80.00	1160	533.60
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	145.72	2216	22.30
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	3.8	51.28
	TOTAL					2718.50 W
	Add 1 % Water charges on "W"					27.18
	TOTAL					2745.68 X
	Add GST on "X" (multiplying factor 0.1405)					385.77
	TOTAL					3131.45 Y
	Add 15% CPOH on "Y"					469.72
	TOTAL					3601.17 Z
	Add Cess @ 1% on "Z"					36.01
	Cost of 1 sqm.					3637.18
	Rate including labour cess					3637.18
						Say Rs. 3637.20 per sqm

8.14.2.4	40 mm thick					
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 40 cudm+Add wastage @ 33.3% = 13.33 cudm. Total = 53.33 cudm.					
1160	Red sand stone block	10 cudm	5.333	80.00	1160	426.64
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	145.72	2216	17.92
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class)	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					


360
A
B

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
LABOUR						
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	3.8	51.28
TOTAL						2607.17 W
Add 1 % Water charges on "W"						26.07
TOTAL						2633.24 X
Add GST on "X" (multiplying factor 0.1405)						369.97
TOTAL						3003.21 Y
Add 15% CPOH on "Y"						450.48
TOTAL						3453.69 Z
Add Cess @ 1% on "Z"						34.54
Cost of 1 sqm.						3488.22
Rate including labour cess						3488.22
Say Rs. 3488.20 per sqm						

8.14.2.5 30 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 30 cu dm. Add wastage @ 33.3% = 9.99 cu dm. Total = 39.99 cu dm.

1160	Red sand stone block	10 cu dm	3.999	80.00	1160	319.92
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.092	145.72	2216	13.41
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05

Dressing charges

LABOUR

0125	Mason (for plain stone work) 2nd class	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60

Fixing charges

LABOUR

0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55

1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89

3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
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TOTAL 2495.93 W

Add 1 % Water charges on "W" 24.96

TOTAL 2520.89 X

Add GST on "X" (multiplying factor 0.1405) 354.18

TOTAL 2875.07 Y

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add 15% CPOH on "Y"					431.26
	TOTAL					3306.33 Z
	Add Cess @ 1% on "Z"					33.06
	Cost of 1 sqm.					3339.40
	Rate including labour cess					3339.40
Say Rs. 3339.40 per sqm						

8.14.3 White sand stone - exposed face fine dressed with rough backing .

8.14.3.1 70 mm thick
Details of cost for 1 sqm.

MATERIAL
Finished work = 70 cu dm. Add wastage @ 33.3% = 23.33 cu dm. Total = 93.33 cu dm.

1161	White sand stone block	10 cu dm	9.333	205.00	1161	1913.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.215	145.72	2216	31.33
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.12	9999	57.05
LABOUR						
0125	Mason (for plain stone work) 2nd class	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
Fixing charges						
LABOUR						
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306	0114	102.82
0115	Coolie	day	0.336	318	0115	106.85
0101	Bhisti	day	0.336	332	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
3.8	Mortar for laying and pointing					
	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					3418.87 W
	Add 1 % Water charges on "W"					34.19
	TOTAL					3453.06 X
	Add GST on "X" (multiplying factor 0.1405)					485.15
	TOTAL					3938.21 Y
	Add 15% CPOH on "Y"					590.73
	TOTAL					4528.95 Z
	Add Cess @ 1% on "Z"					45.29
	Cost of 1 sqm.					4574.24
	Rate including labour cess					4574.24
Say Rs. 4574.20 per sqm						

8.14.3.2 60 mm thick
Details of cost for 1 sqm.

MATERIAL
Finished work = 60 cu dm. Add wastage @ 33.3% = 20 cu dm. Total = 80 cu dm.

1161	White sand stone block	10 cu dm	8.00	205.00	1161	1640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.184	145.72	2216	26.81


362
A
B
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
3.8	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					3141.09 W
	Add 1 % Water charges on "W"					31.41
	TOTAL					3172.50 X
	Add GST on "X" (multiplying factor 0.1405)					445.74
	TOTAL					3618.24 Y
	Add 15% CPOH on "Y"					542.74
	TOTAL					4160.97 Z
	Add Cess @ 1% on "Z"					41.61
	Cost of 1 sqm.					4202.58
	Rate including labour cess					4202.58
						Say Rs. 4202.60 per sqm

8.14.3.3 50 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 50 cu dm. Add wastage @ 33.3% = 16.7 cu dm. Total = 66.7 cu dm.

1161	White sand stone block	10 cu dm	6.67	205.00	1161	1367.35
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.153	145.72	2216	22.30
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
3.8	Mortar for laying and pointing					
	Rate as per Item Number 3.8 of				2112	
	SH: Mortars	cum	0.018	2848.95		51.28
	TOTAL					2863.92 W
	Add 1 % Water charges on "W"					28.64
	TOTAL					2892.56 X
	Add GST on "X" (multiplying factor 0.1405)					406.40
	TOTAL					3298.96 Y
	Add 15% CPOH on "Y"					494.84
	TOTAL					3793.81 Z
	Add Cess @ 1% on "Z"					37.94
	Cost of 1 sqm.					3831.75
	Rate including labour cess					3831.75

Say Rs. 3831.70 per sqm

8.14.3.4 40 mm thick

	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 40 cum. Add wastage @ 33.3% = 13.3 cum. Total = 53.3 cum.					
1161	White sand stone block	10 cum	5.33	205.00	1161	1092.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cum	tonne	0.123	145.72	2216	17.92
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of				2112	
	SH: Mortars	cum	0.018	2848.95		51.28
	TOTAL					2584.85 W
	Add 1 % Water charges on "W"					25.85
	TOTAL					2610.70 X
	Add GST on "X" (multiplying factor 0.1405)					366.80
	TOTAL					2977.50 Y
	Add 15% CPOH on "Y"					446.63
	TOTAL					3424.13 Z
	Add Cess @ 1% on "Z"					34.24
	Cost of 1 sqm.					3458.37
	Rate including labour cess					3458.37

Say Rs. 3458.40 per sqm


364
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.14.3.5	30 mm thick					
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 30 cu dm. Add wastage @ 33.3% = 9.99 cu dm. Total = 39.99 cu dm.					
1161	White sand stone block	10 cu dm	3.999	205.00	1161	819.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.092	145.72	2216	13.41
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	1.35	369.00	0125	498.15
0102	Blacksmith 1st class	day	0.032	413.00	0102	13.22
0114	Beldar	day	0.224	306.00	0114	68.54
0115	Coolie	day	0.112	318.00	0115	35.62
0100	Bandhani	day	0.224	325.00	0100	72.80
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					2307.48 W
	Add 1 % Water charges on "W"					23.07
	TOTAL					2330.55 X
	Add GST on "X" (multiplying factor 0.1405)					327.44
	TOTAL					2657.99 Y
	Add 15% CPOH on "Y"					398.70
	TOTAL					3056.69 Z
	Add Cess @ 1% on "Z"					30.57
	Cost of 1 sqm.					3087.26
	Rate including labour cess					3087.26
						Say Rs. 3087.30 per sqm

8.14.4 White sand stone - Exposed face machine cut and table rubbed with rough backing.

8.14.4.1 70 mm thick

	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 70 cu dm. Add wastage @ 33.3% = 23.33 cu dm. Total = 93.33 cu dm.					
1161	White sand stone block	10 cu dm	9.333	205.00	1161	1913.27
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.215	145.72	2216	31.33
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					4107.20 W
	Add 1 % Water charges on "W"					41.07
	TOTAL					4148.27 X
	Add GST on "X" (multiplying factor 0.1405)					582.83
	TOTAL					4731.10 Y
	Add 15% CPOH on "Y"					709.67
	TOTAL					5440.77 Z
	Add Cess @ 1% on "Z"					54.41
	Cost of 1 sqm.					5495.17
	Rate including labour cess					5495.17

Say Rs. 5495.20 per sqm

8.14.4.2 60 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 60 cu dm. Add wastage @ 33.3% = 20 cu dm. Total = 80 cu dm.

1161	White sand stone block	10 cu dm	8.00	205.00	1161	1640.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cu dm	tonne	0.184	145.72	2216	26.81
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05
	Dressing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					3829.41 W
	Add 1 % Water charges on "W"					38.29


366
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	TOTAL					3867.71 X
	Add GST on "X" (multiplying factor 0.1405)					543.41
	TOTAL					4411.12 Y
	Add 15% CPOH on "Y"					661.67
	TOTAL					5072.79 Z
	Add Cess @ 1% on "Z"					50.73
	Cost of 1 sqm.					5123.52

Rate including labour cess

Say Rs. 5123.50 per sqm

8.14.4.3 50 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 50 cudm. Add wastage @ 33.3% = 16.7 cudm. Total = 66.7 cudm.

1161	White sand stone block	10 cudm	6.67	205.00	1161	1367.35
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.153	145.72	2216	22.30
9999	Extra for using white cement	L.S.	26.91	2.12	9999	57.05

Dressing charges

LABOUR

0125	Mason (for plain stone work) 2nd class	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60

Fixing charges

LABOUR

0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55

1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89

3.8	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
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TOTAL 3552.25 W

Add 1 % Water charges on "W" 35.52

TOTAL 3587.77 X

Add GST on "X" (multiplying factor 0.1405) 504.08

TOTAL 4091.85 Y

Add 15% CPOH on "Y" 613.78

TOTAL 4705.63 Z

Add Cess @ 1% on "Z" 47.06

Cost of 1 sqm. 4752.68

Rate including labour cess

Say Rs. 4752.70 per sqm

8.14.4.4 40 mm thick

Details of cost for 1 sqm.

MATERIAL

Finished work = 40 cudm. Add wastage @ 33.3% = 13.3 cudm. Total = 53.3 cudm.

1161	White sand stone block	10 cudm	5.33	205.00	1161	1092.65
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.123	145.72	2216	17.92

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.12	9999	57.05
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Mortar for laying and pointing					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					3273.18 W
	Add 1 % Water charges on "W"					32.73
	TOTAL					3305.91 X
	Add GST on "X" (multiplying factor 0.1405)					464.48
	TOTAL					3770.39 Y
	Add 15% CPOH on "Y"					565.56
	TOTAL					4335.94 Z
	Add Cess @ 1% on "Z"					43.36
	Cost of 1 sqm.					4379.30
	Rate including labour cess					4379.30
						Say Rs. 4379.30 per sqm
8.14.4.5	30 mm thick					
	Details of cost for 1 sqm.					
	MATERIAL					
	Finished work = 30 cudm. Add wastage @ 33.3% = 9.99 cudm. Total = 39.99 cudm.					
1161	White sand stone block	10 cudm	3.999	205.00	1161	819.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30kg/cudm	tonne	0.092	145.72	2216	13.41
9999	Extra for using white cement Dressing charges	L.S.	26.91	2.12	9999	57.05
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	2.70	369.00	0125	996.30
0102	Blacksmith 1st class	day	0.064	413.00	0102	26.43
0114	Beldar	day	0.448	306.00	0114	137.09
0115	Coolie	day	0.224	318.00	0115	71.23
0100	Bandhani	day	0.448	325.00	0100	145.60
	Fixing charges					
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device	metre	4.00	10.00	1237	40.00


368
A
B
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
2112	Mortar for laying and pointing Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					2995.80 W
	Add 1 % Water charges on "W"					29.96
	TOTAL					3025.76 X
	Add GST on "X" (multiplying factor 0.1405)					425.12
	TOTAL					3450.88 Y
	Add 15% CPOH on "Y"					517.63
	TOTAL					3968.51 Z
	Add Cess @ 1% on "Z"					39.69
	Cost of 1 sqm.					4008.20
	Rate including labour cess					4008.20
				Say Rs. 4008.20		per sqm

8.14.5 Gang saw cut stone

8.14.5.1 30mm thick White sand stone

Details of cost for 1 sqm

MATERIAL

1.00 sqm + 0.05 sqm (Add wastage @ 5%) =
1.05 sqm

8684	White sand stone gang saw cut 30 mm thick	sqm	1.05	560.00	8684	588.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm.	tonne	0.072	145.72	2216	10.49
9999	Extra for using white cement Fixing charges	L.S.	26.91	2.12	9999	57.05
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device.	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
	Cement mortar 1:3 (1 cement : 3 coarse sand)					
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.018	2848.95	2112	51.28
	TOTAL					1384.44 W
	Add 1 % Water charges on "W"					13.84
	TOTAL					1398.29 X
	Add GST on "X" (multiplying factor 0.1405)					196.46
	TOTAL					1594.75 Y
	Add 15% CPOH on "Y"					239.21
	TOTAL					1833.96 Z
	Add Cess @ 1% on "Z"					18.34
	Cost of 1 sqm.					1852.30
	Rate including labour cess					1852.30
				Say Rs. 1852.30		per sqm

8.14.5.2 30mm thick Red sand stone-

Details of cost for 1 sqm

MATERIAL

1.00 sqm + 0.05 sqm (Add wastage @ 5%) =
1.05 sqm

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8683	Red sand stone gang saw cut 30 mm thick	sqm	1.05	476.00	8683	499.80
2216	Carriage of Stone blocks white & red sand stone & kola stone slab @ 2.30 kg/cudm.	tonne	0.072	145.72	2216	10.49
9999	Extra for using white cement Fixing charges LABOUR	L.S.	26.91	2.12	9999	57.05
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
0101	Bhisti	day	0.336	332.00	0101	111.55
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device.	metre	4.00	10.00	1237	40.00
9999	Scaffolding Cement mortar 1:3 (1 cement : 3 coarse sand)	L.S.	19.76	2.12	9999	41.89
3.8	Rate as per Item Number 3.8 of SH: Mortars				2112	
	TOTAL	cum	0.018	2848.95		51.28
	Add 1 % Water charges on "W"					1296.24 W
	TOTAL					12.96
	Add GST on "X" (multiplying factor 0.1405)					1309.20 X
	TOTAL					183.94
	Add 15% CPOH on "Y"					1493.15 Y
	TOTAL					223.97
	Add Cess @ 1% on "Z"					1717.12 Z
	Cost of 1 sqm.					17.17
	Rate including labour cess					1734.29
						1734.29
						Say Rs. 1734.30 per sqm

8.15 Providing and fixing stainless steel cramps of required size and shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases in stone and holes in walls wherever required.

Details of cost for one cramp of 0.934kg

MATERIAL

Stainless steel cramp

$$10 \times 0.064 \times 0.025 \times 0.006 = 9.6 \times 10^{-5}$$

$$10 \times 0.025 \times 0.025 \times 0.006 = 3.7 \times 10^{-5}$$

$$= 13.3 \times 10^{-5}$$

$$\text{less hole } 10 \times 0.024 \times 0.010 \times 0.006$$


$$= 1.4 \times 10^{-5}$$

$$= 11.9 \times 10^{-5} \times 7850 = 0.934 \text{ kg}$$

$$\text{Add wastage @ 5\%} = 0.047 \text{ kg.}$$

$$\text{Total} = 0.981 \text{ kg.}$$

7339	Stainless steel cramp	kilogram	0.981	290.00	7339	284.49
9977	CARRIAGE	L.S.	3.90	2.12	9977	8.27
	Cement mortar 1:2 (1 cement : 2 coarse sand)					
3.7	Rate as per Item Number 3.7 of SH: Mortars				2111	3.60
9999	Labour for fixing in position	L.S.	65.00	2.12	9999	137.80
	TOTAL					434.16 W
	Add 1 % Water charges on "W"					4.34
	TOTAL					438.50 X
	Add GST on "X" (multiplying factor 0.1405)					61.61


370
A
B

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	TOTAL					500.11 Y
	Add 15% CPOH on "Y"					75.02
	TOTAL					575.13 Z
	Add Cess @ 1% on "Z"					5.75
	Cost for 0.934 kg.					580.88
	Cost per kg					621.93

Rate including labour cess

Say Rs. 621.90 Per Kg

- 8.16 Providing and fixing copper pins 7.5 cm long 6 mm diameter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement : 2 coarse sand), including making the necessary chases.**

Details of cost for one copper pin

MATERIAL						
0873	Copper pins 6 mm dia 7.5 cm long	each	1.00	10.00	0873	10.00
9999	Labour for making pin in to required shape and size, cutting chases in stone and fixing in position	L.S.	3.90	2.12	9999	8.27
3.7	Cement mortar 1:2 (1 cement : 2 coarse sand)				2111	
	Rate as per Item Number 3.7 of SH: Mortars	cum	0.001	3601.99		3.60
9999	Sundries including hire charges of hand cut machine etc.	L.S.	1.95	2.12	9999	4.13
	TOTAL					26.00 W
	Add 1 % Water charges on "W"					0.26
	TOTAL					26.26 X
	Add GST on "X" (multiplying factor 0.1405)					3.69
	TOTAL					29.95 Y
	Add 15% CPOH on "Y"					4.49
	TOTAL					34.45 Z
	Add Cess @ 1% on "Z"					0.34
	Cost of one copper pin					34.79

Rate including labour cess

Say Rs. 34.80 Per pin

- 8.17 Wall lining butch work upto 10m height with Dholpur stone 40 mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75 mm and by providing layer of 75 mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 Cement : 3 coarse sand) i/c ruled pointing in cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.**

Details of cost for 1sqm.
 Dholpur stone 40mm thick
 Wall face = 1.00sqm.
 Deduct for embedded portion
 $3 \times 0.04 \times 1.0 = 0.12 \text{ sqm.}$
 Net quantity = 0.88sqm.
 Add wastage 5% = 0.04sqm.
 Total = 0.92 sqm.

1165	White sand stone slab 40 mm thick (undressed) 75mm thick $3 \times 0.04 \times 1.0 = 0.12 \text{ sqm.}$	sqm	0.92	250.00	1165	230.00
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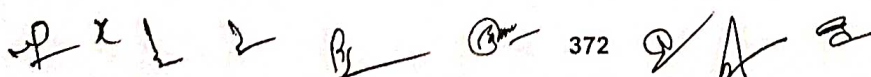
BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Add wastage 5% = 0.01 sqm. Total = 0.13 sqm.					
1163	White sand stone slab 75 mm thick (un-dressed)	sqm	0.13	800.00	1163	104.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab 0.92x0.04 = 0.0368 cum. 0.13x0.075 = 0.0100 cum. = 0.0468 cum. or 468 cudm. 468 cudm @ 2.3 kg/cudm = 108 kg = 0.108 tonne.	Ton	0.108	145.72	2216	15.74
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device Assuming 50mm thick strips 20x1.0 = 20 metre Mortar with coarse sand 1:3 for (a) stone backing 12mm thick = 0.0144 cum. (b) for fixing of stone = 0.40/25 = 0.0160 cum. Total = 0.0304 cum.	metre	20.000	10.00	1237	200.00
3.8	Rate as per Item Number 3.8 of SH: Mortars					
	Cutting chases and making good with mortar after insurting stone etc.	cum	0.0304	2848.95	2112	86.61
18.78	Rate as per Item Number 18.78 of SH: Water					
		metre	3.00	85.40	18.78	256.20 A
9999	White cement and pigment for pointing LABOUR	L.S.	40.43	2.12	9999	85.71
0126	Mason (for ornamental stone work) 1st class	day	0.25	413.00	0126	103.25
0125	Mason (for plain stone work) 2nd class)	day	0.25	369.00	0125	92.25
0114	Beldar	day	0.50	306.00	0114	153.00
0101	Bhisti	day	0.03	332.00	0101	9.96
9999	Sundries and scaffolding brushes etc.	L.S.	26.91	2.12	9999	57.05
	TOTAL					1393.77 W
	Add 1 % Water charges on "W-A"					11.38
	TOTAL					1405.14 X
	Add GST on "X-A" (multiplying factor 0.1405)					161.43
	TOTAL					1566.57 Y
	Add 15% CPOH on "Y-A"					196.56
	TOTAL					1763.12 Z
	Add Cess @ 1% on "Z-A"					15.07
	Cost of 1sqm.					1778.19
	Rate including labour cess					
				Say Rs.	1778.20	per sqm

8.18 Stone work (machine cut edges Veneer work) for wall lining upto 10 m height, backing filled with a grout of 12 mm thick cement mortar 1:3 (1 Cement : 3 coarse sand) and jointed with Cement mortar 1:2 (1 cement : 2 stone dust), including rubbing and polishing complete. (To be secured to the backing and the sides by means of cramps and pins which shall be paid for separately).

8.18.1 Kota stone slabs exposed face dressed and rubbed.

8.18.1.1 25 mm thick
Details of cost for 10sqm.
MATERIAL


372
A
B

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	25mm thick kota stone slabs = 10 sqm. Add 15% wastage = 1.50 sqm. Total = 11.50 sqm.					
1169	Kotastone slab 25mm thick (rough cheseled)	sq.m.	11.500	250.00	1169	2875.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab Cement mortar 1:3 (1 cement : 3 coarse sand)	tonne	0.670	145.72	2216	97.63
3.8	Rate as per Item Number 3.8 of SH: Mortars	cum	0.144	2848.95	3.8	410.25
9999	Cement mortar for pointing.	L.S.	40.43	2.12	9999	85.71
0125	Mason (for plain stone work) 2nd class)	day	6.50	369.00	0125	2398.50
0114	Beldar	day	6.50	306.00	0114	1989.00
0115	Coolie	day	4.30	318.00	0115	1367.40
0139	Skilled Beldar (for floor rubbing etc.)	day	10.80	369.00	0139	3985.20
9999	Sundries	L.S.	111.54	2.12	9999	236.46
	TOTAL					13445.16 W
	Add 1 % Water charges on "W"					134.45
	TOTAL					13579.61 X
	Add GST on "X" (multiplying factor 0.1405)					1907.94
	TOTAL					15487.55 Y
	Add 15% CPOH on "Y"					2323.13
	TOTAL					17810.68 Z
	Add Cess @ 1% on "Z"					178.11
	Cost for 10 sqm.					17988.78
	Cost of 1 sqm.					1798.88
	Rate including labour cess					1798.88
						Say Rs. 1798.90 per sqm

8.19 Extra for stone work for wall lining on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part there of.

Detail of cost for 10 sqm
Analysis same as Item Number 13.74

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Scaffolding	L.S	215.28	2.12	9999	456.39
0123	Mason (brick layer) 1st class	day	0.30	413.00	0123	123.90
0114	Beldar	day	0.30	306.00	0114	91.80
0101	Bhisti	day	0.15	332.00	0101	49.80
9999	Sundries	L.S	28.60	2.12	9999	60.63
	TOTAL					782.53 W
	Add 1 % Water charges on "W"					7.83
	TOTAL					790.35 X
	Add GST on "X" (multiplying factor 0.1405)					111.04
	TOTAL					901.40 Y
	Add 15% CPOH on "Y"					135.21
	TOTAL					1036.60 Z
	Add Cess @ 1% on "Z"					10.37
	Cost of 10.00 sqm					1046.97
	Cost of 1.00 sqm					104.70
	Rate including labour cess					104.70
						Say Rs. 104.70 per sqm

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.20	Providing and fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately).					
8.20.1	Red sand stone - 30mm thick gang saw cut stone					
	Details of cost for 1 sqm					
	MATERIAL					
	Red sand stone = 1.00sqm. Add 5% wastage = 0.05sqm. Total = 1.05 sqm					
8683	Red sand stone gang saw cut 30 mm thick	sqm	1.05	476.00	8683	499.80
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm. Fixing charges	tonne	0.072	145.72	2216	10.49
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device.	metre	4.00	10.00	1237	40.00
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
9999	Fixing including weather sealant and removing	L.S.	51.10	2.12	9999	108.33
9999	Silicon gun/ pump etc.	L.S.	68.25	2.12	9999	144.69
	TOTAL					1329.38
	Add 1 % Water charges on "W"					13.29 W
	TOTAL					1342.67
	Add GST on "X" (multiplying factor 0.1405)					188.65 X
	TOTAL					1531.32
	Add 15% CPOH on "Y"					229.70 Y
	TOTAL					1761.02
	Add Cess @ 1% on "Z"					17.61 Z
	Cost of 1 sqm.					1778.63
	Rate including labour cess					
				Say Rs.	1778.60	per sqm
8.20.2	White sand stone - 30mm thick gang saw cut stone					
	Details of cost for 1 sqm					
	MATERIAL					
	Red sand stone = 1.00sqm. Add 5% wastage = 0.05sqm. Total = 1.05 sqm					
8684	White sand stone gang saw cut 30 mm thick	sqm	1.05	560.00	8684	588.00
2216	Carriage of Stone blocks white & red sand stone & kota stone slab @ 2.30 kg/cudm. Fixing charges	tonne	0.072	145.72	2216	10.49
	LABOUR					
0125	Mason (for plain stone work) 2nd class	day	0.448	369.00	0125	165.31
0100	Bandhani	day	0.336	325.00	0100	109.20
0114	Beldar	day	0.336	306.00	0114	102.82
0115	Coolie	day	0.336	318.00	0115	106.85
1237	Cutting marble or sand stone slab upto 50 mm thick by mechanical device.	metre	4.00	10.00	1237	40.00


374
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Scaffolding	L.S.	19.76	2.12	9999	41.89
9999	Fixing including weather sealant and removing	L.S.	51.10	2.12	9999	108.33
9999	Silicon gun/ pump etc.	L.S.	68.25	2.12	9999	144.69
	TOTAL					1417.58
	Add 1 % Water charges on "W"					14.18 W
	TOTAL					1431.76
	Add GST on "X" (multiplying factor 0.1405)					201.16 X
	TOTAL					1632.92
	Add 15% CPOH on "Y"					244.94 Y
	TOTAL					1877.86
	Add Cess @ 1% on "Z"					18.78 Z
	Cost of 1 sqm.					1896.64
	Rate including labour cess					
						Say Rs. 1896.60 per sqm
8.21	Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal & vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid).					
	Details of cost for 100.78 kg.					
	M.S. tube 50x25x18mm					
	Vertical 4.0x3.0 mtr = 12.00					
	Vertical 4.0x3.0x0.93 =11.16 m					
	Total = 23.16 mtr					
	Add 10% wastage = 2.32 m					
	Total 25.48mtr @ 2.02 kg/m = 51.47 kg					
4009	Mild steel tubes hot finished welded type					
	Angle iron 50x50x6mm					
	16x0.60=9.60					
	16x0.15=2.40					
	Total=12.00					
	Add 10% wastage = 1.20m					
	Total=13.20m @4.50kg/m=59.40kg or 0.594					
	q	kilogram	51.470	60.00	4009	3088.20
1007	Structurals such as tees, angles channels and R.S. joists Cement concrete 1:2:4 = 16x0.30x0.23x0.30=0.331 cum	quintal	0.594	4950.00	1007	2940.30
4.1.3	Rate as per item no. 4.1.3 of SH : concrete work				4.1.3	
	Making holes in brick work=16nos.	cum	0.331	3998.12		1323.38 A
	LABOUR					
0123	Mason (brick layer) 1st class	day	0.26	413.00	0123	107.38
0124	Mason (brick layer) 2nd class	day	0.26	369.00	0124	95.94
0114	Beldar	day	2.00	306.00	0114	612.00

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	Welding for frame welding 16x(2.5+5+2.5+5) = 240 cm For hold fast 16x20cm = 320cm Total = 560cm					
1215	Welding by electric plant LABOUR	cm	560.00	2.00	1215	1120.00
0102	Blacksmith 1st class	day	1.34	413.00	0102	553.42
0100	Bandhani	day	0.67	325.00	0100	217.75
0114	Beldar	day	4.92	306.00	0114	1505.52
9999	Sundries	L.S.	80.73	2.12	9999	171.15
	Painting with epoxy paint over and including priming coat area 22.80x0.15 = 3.42 12x0.2 = 2.40 Total = 5.82sqm					
13.81.1	Rate as per Item no. 13.52.1 of SH: Finishing	sqm	5.82	39.71	13.81.1	231.09 A
9999	For labour scaffolding etc	L.S.	80.73	2.12	9999	171.15
	TOTAL					12137.27 W
	Add 1 % Water charges on "W-A"					105.83
	TOTAL					12243.09 X
	Add GST on "X-A" (multiplying factor 0.1405)					1501.75
	TOTAL					13744.85 Y
	Add 15% CPOH on "Y-A"					1427.35
	TOTAL					15172.19 Z
	Add Cess @ 1% on "Z-A"					136.18
	Cost for 100.78 kg					15308.37
	Cost for 1 kg					151.90
	Say Rs. 151.90 Per Kg					
8.22	Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.					
8698	Details of cost for 10 Nos. Stainless steel cramps (weight 260 grams) with nuts, bolts and washer for dry stone cladding LABOUR	each	10.00	115.00	8698	1150.00
	For making holes, recesses etc. and fixing of stainless steel cramps.					
0103	Blacksmith 2nd class	day	0.10	369.00	0103	36.90
0124	Mason (brick layer) 2nd class	day	1.00	369.00	0124	369.00
0114	Beldar	day	1.10	306.00	0114	336.60
9999	Scaffolding, hire charges of drill machine etc.	L.S.	20.80	2.12	9999	44.10
9999	Sundries	L.S.	20.80	2.12	9999	44.10
	TOTAL					1980.69 W
	Add 1 % Water charges on "W"					19.81
	TOTAL					2000.50 X
	Add GST on "X" (multiplying factor 0.1405)					281.07
	TOTAL					2281.57 Y
	Add 15% CPOH on "Y"					342.24
	TOTAL					2623.80 Z
	Add Cess @ 1% on "Z"					26.24
	Cost of 10.00 Nos					2650.04
	Cost of 1.00 Nos					265.00
	Rate including labour cess					
	Say Rs. 265.00 per nos					



376



BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.23	Providing 50x50x50 mm 2nd class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand) and making good the walls etc.					
	Details of cost for 100 Nos.					
	MATERIAL					
	Teak wood (2nd class) 100x(50x50x50)mm = 0.0125cum					
	Add wastage @ 10% = 0.0013 cum.					
	Total = 0.0138 cum. Say 14 cudm.					
1189	Second class teak wood in scantling	10 cudm	1.40	776.00	1189	1086.40
2204	Carriage of Timber	cum	0.014	187.35	2204	2.62
	Cement mortar 1 : 3 (1 cement : 3 fine sand)					
3.3	Rate as per Item Number 3.3 of SH: Mortars	cum	0.002	2848.95	2112	5.70
	LABOUR					
0112	Carpenter 2nd class	day	0.75	369.00	0112	276.75
0124	Mason (brick layer) 2nd class	day	0.75	369.00	0124	276.75
0114	Beldar	day	0.750	306.00	0114	229.50
	TOTAL					
	Add 1 % Water charges on "W"					
	TOTAL					
	Add GST on "X" (multiplying factor 0.1405)					
	TOTAL					
	Add 15% CPOH on "Y"					
	TOTAL					
	Add Cess @ 1% on "Z"					
	Cost of 100 nos.					
	Cost of 1 no.					
	Rate including labour cess					
				Say Rs. 25.10		Each
8.24	Providing and fixing expandable fasteners of specified size with necessary plastic sleeves and galvanised M.S. screws including drilling holes in masonry work / CC/ R.C.C. and making good etc. complete.					
8.24.1	25 mm long					
	Details of cost of 10 nos.					
	MATERIAL					
7312	Expandable fastener with plastic sleeve and M.S. screws. 25 mm long	each	10.00	10.00	7312	100.00
9999	Labour for drilling holes and making good etc.	L.S.	20.80	2.12	9999	44.10
	TOTAL					
	Add 1 % Water charges on "W"					
	TOTAL					
	Add GST on "X" (multiplying factor 0.1405)					
	TOTAL					
	Add 15% CPOH on "Y"					
	TOTAL					
	Add Cess @ 1% on "Z"					
	Cost of 10 nos.					
	Cost of 1 no.					
	Rate including labour cess					
				Say Rs. 19.30		per nos



BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.24.2	32 mm long Details of cost of 10 nos. MATERIAL					
7313	Expandable fastner with plastic sleeve and M.S. screws. 32 mm long	each	10.00	10.00	7313	100.00
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.12	9999	55.12
	TOTAL					155.12 W
	Add 1 % Water charges on "W"					1.55
	TOTAL					156.67 X
	Add GST on "X" (multiplying factor 0.1405)					22.01
	TOTAL					178.68 Y
	Add 15% CPOH on "Y"					26.80
	TOTAL					205.49 Z
	Add Cess @ 1% on "Z"					2.05
	Cost of 10 nos.					207.54
	Cost of 1 no.					20.75
	Rate including labour cess					
				Say Rs.	20.80	per nos
8.24.3	40 mm long Details of cost of 10 nos. MATERIAL					
7314	Expandable fastner with plastic sleeve and M.S. screws. 40 mm long	each	10.00	13.00	7313	130.00
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.12	9999	55.12
	TOTAL					185.12 W
	Add 1 % Water charges on "W"					1.85
	TOTAL					186.97 X
	Add GST on "X" (multiplying factor 0.1405)					26.27
	TOTAL					213.24 Y
	Add 15% CPOH on "Y"					31.99
	TOTAL					245.23 Z
	Add Cess @ 1% on "Z"					2.45
	Cost of 10 nos.					247.68
	Cost of 1 no.					24.77
	Rate including labour cess					24.35
				Say Rs.	24.80	per nos
8.24.4	50 mm long Details of cost of 10 nos. MATERIAL					
7315	Expandable fastner with plastic sleeve and M.S. screws. 50 mm long	each	10.00	14.00	7313	140.00
9999	Labour for drilling holes and making good etc.	L.S.	26.00	2.12	9999	55.12
	TOTAL					195.12 W
	Add 1 % Water charges on "W"					1.95
	TOTAL					197.07 X
	Add GST on "X" (multiplying factor 0.1405)					27.69
	TOTAL					224.76 Y
	Add 15% CPOH on "Y"					33.71
	TOTAL					258.47 Z
	Add Cess @ 1% on "Z"					2.58
	Cost of 10 nos.					261.06
	Cost of 1 no.					26.11
	Rate including labour cess					
				Say Rs.	26.10	per nos

PXL 2 Br (B)

P/A 2

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
8.25	Providing and fixing 2nd class teak wood plain lining tongued and grooved, including wooden plugs complete with necessary screws and priming coat on unexposed surface.					
8.25.1	40 mm thick Details of cost of 10 sqm MATERIAL Teak wood (2nd class) 10x0.04m = 0.40cum+Add wastage @ 10% = 0.04 cum. Total = 0.44 cum. Say 440 cudm.					
1190	Second class teak wood in planks	10 cudm	44.00	791.00	1190	34804.00
1231	Extra for selected planks of second class teakwood	10 cudm	44.00	150.00	1231	6600.00
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no8.23 of SH : Wood work and PVC work Priming coat					
		each	55.00	25.12	8.23	1381.75 A
13.81.1	Rate as per item no 13.81.1 of SH : Finishing					
		sqm	10.00	39.71	13.81.1	397.05
2204	Carriage of Timber LABOUR	cum	0.44	187.35	2204	82.43
	For planning and fixing					
0111	Carpenter 1st class	day	2.15	413.00	0111	887.95
0114	Beldar	day	1.62	306.00	0114	495.72
9999	Sundries & screws etc.	L.S.	53.820	2.12	9999	114.10
	TOTAL 44763.01 W					
	Add 1 % Water charges on "W-A" 429.84					
	TOTAL 45192.85 X					
	Add GST on "X-A" (multiplying factor 0.1405)					
	TOTAL 6099.67					
	Add 15% CPOH on "Y-A" 51292.52 Y					
	TOTAL 7427.06					
	Add Cess @ 1% on "Z-A" 58719.58 Z					
	Cost of 10 sqm. 569.41					
	Cost of 1 sqm. 59288.99					
	Rate including labour cess 5928.90					
				Say Rs.	5928.90	per sqm
8.25.2	25 mm thick Details of cost of 10 sqm MATERIAL Teak wood 2nd class 10x0.25 = 0.25cum+ Add wastage @ 10% = 0.025 cum. Total = 0.275 cum. Say 275 cudm.					
1190	Second class teak wood in planks	10 cudm	27.50	791.00	1190	21752.50
1231	Extra for selected planks of second class teakwood	10 cudm	27.50	150.00	1231	4125.00
2204	Carriage of Timber	cum	0.275	187.35	2204	51.52
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no8.23 of SH : Wood work and PVC work Priming coat					
		each	55.00	25.12	8.23	1381.75 A
13.81.1	Rate as per item no 13.81.1 of SH : Finishing					
		sqm	10.00	39.71	13.81.1	397.05 A

BCD/SOR_11th Edition_2022



BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	LABOUR					
0111	Carpenter 1st class	day	2.15	413.00	0111	887.95
0114	Beldar	day	1.62	306.00	0114	495.72
9999	Sundries & screws etc.	L.S.	53.82	2.12	9999	114.10
	TOTAL					29205.59 W
	Add 1 % Water charges on "W-A"					274.27
	TOTAL					29479.86 X
	Add GST on "X-A" (multiplying factor 0.1405)					3892.00
	TOTAL					33371.86 Y
	Add 15% CPOH on "Y-A"					4738.96
	TOTAL					38110.82 Z
	Add Cess @ 1% on "Z-A"					363.32
	Cost of 10 sqm.					38474.14
	Cost of 1 sqm.					3847.41

Rate including labour cess

Say Rs. 3847.40 per sqm

8.25.3 20 mm thick

Details of cost of 10 sqm

MATERIAL

Teak wood 2nd class 10x0.02 = 0.20cum+

Add wastage @ 10% = 0.02 cum.

Total = 0.22 cum. Say 220 cudm.

1190	Second class teak wood in planks	10 cudm	22.00	791.00	1190	17402.00
1231	Extra for selected planks of second class teakwood	10 cudm	22.00	150.00	1231	3300.00
2204	Carriage of Timber	cum	0.22	187.35	2204	41.22
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)					
8.23	Rate as per item no.8.23 of SH : Wood work and PVC work	each	55.00	25.12	8.23	1381.75 A
	Priming coat					
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	39.71	13.81.1	397.05 A
	LABOUR					
0111	Carpenter 1st class	day	1.08	413.00	0111	446.04
0114	Beldar	day	0.80	306.00	0114	244.80
9999	Sundries & screws etc.	L.S.	53.82	2.12	9999	114.10
	TOTAL					23326.96 W
	Add 1 % Water charges on "W-A"					215.48
	TOTAL					23542.44 X
	Add GST on "X-A" (multiplying factor 0.1405)					3057.79
	TOTAL					26600.23 Y
	Add 15% CPOH on "Y-A"					3723.21
	TOTAL					30323.45 Z
	Add Cess @ 1% on "Z-A"					285.45
	Cost of 10 sqm.					30608.89
	Cost of 1 sqm.					3060.89

Rate including labour cess

Say Rs. 3060.90 per sqm

8.25.4 12 mm thick


Details of cost of 10 sqm

MATERIAL

Teak wood 2nd class 10x0.012 = 0.12 cum+

Add wastage @ 10% = 0.012 cudm.

Total = 0.132 cum. Say 132 cudm.


380
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
1190	Second class teak wood in planks	10 cudm	13.20	791.00	1190	10441.20
1231	Extra for selected planks of second class teakwood	10 cudm	13.20	150.00	1231	1980.00
2204	Carriage of Timber Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement : 3 fine sand)	cum	0.132	187.35	2204	24.73
9.32	Rate as per item no 9.32 of SH : Wood work LABOUR	each	55.00	25.12	8.23	1381.75 A
0111	Carpenter 1st class	day	1.08	413.00	0111	446.04
0112	Carpenter 2nd class	day	0.80	369.00	0112	295.20
0114	Beldar Priming coat	day	1.08	306.00	0114	330.48
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	39.71	13.81.1	397.05 A
9999	Sundries & screws etc.	L.S.	53.82	2.12	9999	114.10
	TOTAL					15410.55 W
	Add 1 % Water charges on "W-A"					136.32
	TOTAL					15546.87 X
	Add GST on "X-A" (multiplying factor 0.1405)					1934.41
	TOTAL					17481.28 Y
	Add 15% CPOH on "Y-A"					2355.37
	TOTAL					19836.66 Z
	Add Cess @ 1% on "Z-A"					180.58
	Cost of 10 sqm.					20017.23
	Cost of 1 sqm.					2001.72

Rate including labour cess

Say Rs. 2001.70 per sqm

8.26 Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete :

8.26.1 12 mm thick

Details of cost for 10 sqm.

MATERIAL

Particle board (three layer medium density) 12mm thick = 10 sqm.

Add wastage @ 10% = 1 sqm.

Total = 11 sqm.

7477 Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 12 mm thick

9977	Carriage of particle board	sqm	11.00	500.00	7477	5500.00
9999	Sundries and screws	L.S.	13.52	2.12	9977	28.66
	Priming coat	L.S.	26.91	2.12	9999	57.05
13.81.1	Rate as per item no 13.50.1 of SH : Finishing LABOUR	sqm	10.00	39.71	13.81.1	397.05 A
0112	Carpenter 2nd class	day	1.28	369.00	0112	472.32

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
0114	Beldar	day	1.43	306.00	0114	437.58
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	22.00	7048	1210.00
	TOTAL					8102.66 W
	Add 1 % Water charges on "W-A"					77.06
	TOTAL					8179.72 X
	Add GST on "X-A" (multiplying factor 0.1405)					
	TOTAL					1093.46
	Add 15% CPOH on "Y-A"					9273.19 Y
	TOTAL					1331.42
	Add Cess @ 1% on "Z-A"					10604.61 Z
	Cost of 10 sqm.					102.08
	Cost of 1 sqm.					10706.68
	Rate including labour cess					1070.67
				Say Rs.	1070.70	per sqm
8.26.2	18 mm thick					
	Details of cost for 10 sqm.					
	MATERIAL					
	Particle board (three layer medium density) 18 mm thick = 10 sqm.					
	Add wastage @ 10% = 1 sqm.					
	Total = 11 sqm.					
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	11.00	560.00	7478	6160.00
9977	Carriage of particle board	L.S.	13.52	2.12	9977	28.66
9999	Sundries and screws	L.S.	26.91	2.12	9999	57.05
	Priming coat					
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	39.71	13.81.1	A 397.05
	LABOUR					
0112	Carpenter 2nd class	day	1.28	369.00	0112	472.32
0114	Beldar	day	1.43	306.00	0114	437.58
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	22.00	7048	1210.00
	TOTAL					8762.66 W
	Add 1 % Water charges on "W-A"					83.66
	TOTAL					8846.32 X
	Add GST on "X-A" (multiplying factor 0.1405)					
	TOTAL					1187.12
	Add 15% CPOH on "Y-A"					10033.44 Y
	TOTAL					1445.46
	Add Cess @ 1% on "Z-A"					11478.90 Z
	Cost of 10 sqm.					110.82
	Cost of 1 sqm.					11589.72
	Rate including labour cess					1158.97
				Say Rs.	1159.00	per sqm
8.26.3	25 mm thick					
	Details of cost for 10 sqm.					
	MATERIAL					
	Particle board (three layer medium density) 25 mm thick = 10 sqm.					
	Add wastage @ 10% = 1 sqm.					
	Total = 11 sqm.					


382
BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	11.00	850.00	7479	9350.00
9977	Carriage of particle board	L.S.	13.52	2.12	9977	28.66
9999	Sundries and screws	L.S.	26.91	2.12	9999	57.05
	Priming coat					
13.81.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	39.71	13.81.1	397.05
	LABOUR					
0112	Carpenter 2nd class	day	1.28	369.00	0112	472.32
0114	Beldar	day	1.43	306.00	0114	437.58
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	22.00	7048	1210.00
	TOTAL					11952.66 W
	Add 1 % Water charges on "W-A"					115.56
	TOTAL					12068.22 X
	Add GST on "X-A" (multiplying factor 0.1405)					1639.80
	TOTAL					13708.02 Y
	Add 15% CPOH on "Y-A"					1996.65
	TOTAL					15704.67 Z
	Add Cess @ 1% on "Z-A"					153.08
	Cost of 10 sqm.					15857.74
	Cost of 1 sqm.					1585.77
	Rate including labour cess					
				Say Rs. 1585.80		per sqm
8.27	Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete.					
8.27.1	Kiln seasoned and chemically treated hollock wood					
	Details of cost for 5 no. battens of size 500cmx50mmx25mm = 31.25 cum					
	MATERIAL					
	Hollock wood- 5x5.00x0.50x0.025 = 0.03125 cum					
	Add wastage @ 5% = 0.00156 cum.					
	Total = 0.03281 cum Say 33 cum					
2505	Hollock wood in planks	10 cum	3.30	402.00	2505	1326.60
2204	Carriage of Timber	cum	0.033	187.35	2204	6.18
	LABOUR					
0111	Carpenter 1st class	day	1.00	413.00	0111	413.00
0114	Beldar	day	0.25	306.00	0114	76.50
9999	Sundries	L.S.	6.76	2.12	9999	14.33
	Painting with ready mixed priming coat on ground 5x500x15 cm =3.75 sqm					
13.81.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	3.75	39.71	13.81.1	148.90 A
7048	Rawl plug 50 mm (designation 10 no.)	each	55.00	22.00	7048	1210.00
9999	Labour for drilling holes, steel tape, sundries etc.	L.S.	71.50	2.12	9999	151.58
	TOTAL					3347.09 W
	Add 1 % Water charges on "W-A"					31.98

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
	TOTAL					3379.07 X
	Add GST on "X-A" (multiplying factor 0.1405)					453.84
	TOTAL					3832.91 Y
	Add 15% CPOH on "Y-A"					552.60
	TOTAL					4385.51 Z
	Add Cess @ 1% on "Z-A"					42.37
	Cost of 31.25 cum.					4427.88
	Cost of 1 cum.					141692.12

Rate including labour cess

Say Rs. 141692.10 per cum

8.28 Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :

8.28.1 Decorative veneer facings of approved manufacture

Details of cost for 10sqm.

MATERIAL

Teak ply wood = 10sqm.

Add for wastage @ 20% = 2 sqm.

Total = 12 sqm.

0759	Decorative plywood 4 mm	sqm	12.00	320.00	0759	3840.00
9977	Carriage of ply wood	L.S.	5.46	2.12	9977	11.58
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)					
9.32	Rate as per item no 9.32 of SH : Wood work	each	55.00	25.12	8.23	1381.75 A
	LABOUR					
0111	Carpenter 1st Class	day	3.80	413.00	0111	1569.40
0114	Beldar	day	4.60	306.00	0114	1407.60
0130	Mistry	day	0.60	306.00	0130	183.60
9999	20mm nails without head for fixing ply	L.S.	53.82	2.12	9999	114.10
	Painting with ready mixed priming coat					
13.81.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	39.71	13.81.1	397.05 A
	TOTAL					8905.08 W
	Add 1 % Water charges on "W-A"					71.26
	TOTAL					8976.34 X
	Add GST on "X-A" (multiplying factor 0.1405)					1011.25
	TOTAL					9987.59 Y
	Add 15% CPOH on "Y-A"					1231.32
	TOTAL					11218.91 Z
	Add Cess @ 1% on "Z-A"					94.40
	Cost of 10 sqm.					11313.31
	Cost of 1 sqm.					1131.33

Rate including labour cess

Say Rs. 1131.30 per sqm

8.29 Providing and fixing 4mm thick color veneer board, ISI marked IS : 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete.

Details of cost for 10sqm.

MATERIAL

Coir veneered board 4mm thick = 10sqm.

Add for wastage @ 20% = 2 sqm.

Total = 12 sqm.


384
A
B

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
7552	Coir veneered board 4mm thick	sqm	12.00	260.00	7552	3120.00
9977	Carriage of Coir veneered board					
	Second class teak wood plugs including cutting brick work and fixing in cement mortar 1:3 (1 cement: 3 fine sand)	L.S.	5.46	2.12	9977	11.58
9.32	Rate as per item no 9.32 of SH : Wood work	each	55.00	25.12	8.23	1381.75
	LABOUR					
0111	Carpenter 1st class	day	3.80	413.00	0111	1569.40
0114	Beldar	day	4.60	306.00	0114	1407.60
0130	Mistry	day	0.60	306.00	0130	183.60
9999	20mm nails without head for fixing ply priming coat	L.S.	53.82	2.12	9999	114.10
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	10.00	39.71	13.81.1	397.05
	TOTAL					8185.08
	Add 1 % Water charges on "W-A"					64.06
	TOTAL					8249.14
	Add GST on "X-A" (multiplying factor 0.1405)					909.08
	TOTAL					9158.22
	Add 15% CPOH on "Y-A"					1106.91
	TOTAL					10265.14
	Add Cess @ 1% on "Z-A"					84.86
	Cost of 10 sqm.					10350.00
	Cost of 1 sqm.					1035.00
	Rate including labour cess					
						Say Rs. 1035.00 per sqm
8.30	Providing and fixing skirting with Pre-laminated (one side decorative and other side balancing lamination) flat pressed 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete :					
8.30.1	18 mm thick					
	Details of cost for skirting 200mm wide and 30m long Area = 0.2x30= 6 sqm. Area = 0.2x30= 6 sqm.					
	MATERIAL					
	Teak shade prelaminated Particle board (three layer medium density) = 6.0 sqm.+ Add wastage @ 10% = 0.6sqm.					
	Total = 6.6 sqm.					
7478	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 18 mm thick	sqm	6.60	560.00	7478	3696.00
9977	Carriage of particle board	L.S.	8.11	2.12	9977	17.19
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	22.00	7048	2244.00
9999	Labour for drilling holes	L.S.	130.00	2.12	9999	275.60
	LABOUR					
	For dressing and fixing particle board to skirting					
0112	Carpenter 2nd class	day	0.77	369.00	0112	284.13
0114	Beldar	day	0.86	306.00	0114	263.16

BCD/SOR_11th Edition_2022

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
9999	Sundries (Screws, sand paper)				9999	
	Painting with ready mixed priming coat at back	L.S.	53.82	2.12		114.10
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	6.00	39.71	13.81.1	238.23 A
	TOTAL					7132.41 W
	Add 1 % Water charges on "W-A"					68.94
	TOTAL					7201.36 X
	Add GST on "X-A" (multiplying factor 0.1405)					978.32
	TOTAL					8179.67 Y
	Add 15% CPOH on "Y-A"					1191.22
	TOTAL					9370.89 Z
	Add Cess @ 1% on "Z-A"					91.33
	Cost of 6 sqm.					9462.22
	Cost of 1 sqm.					1577.04
	Rate including labour cess					
				Say Rs.	1577.00	per sqm
8.30.2	25 mm thick					
	Details of cost for skirting 200mm wide and 30m long Area = 0.2x30= 6 sqm.					
	Area = 0.2x30= 6 sqm.					
	MATERIAL					
	Teak shade prelaminate Particle board (three layer medium density) = 6.0 sqm.+ Add wastage @ 10% = 0.6sqm.					
	Total = 6.6 sqm.					
7479	Prelaminated particle board with one side decorative and other side balancing lamination, flat pressed 3 layer & graded (medium density) Grade I, Type II conforming to IS : 12823 (exterior grade) 25 mm thick	sqm	6.60	850.00		5610.00
9977	Carriage of particle board	L.S.	8.11	2.12	9977	17.19
7048	Rawl plug 50 mm (designation 10 no.)	each	102.00	22.00	7048	2244.00
9999	Labour for drilling holes	L.S.	130.00	2.12	9999	275.60
	LABOUR					
	For dressing and fixing particle board to skirting					
0112	Carpenter 2nd class	day	0.77	369.00	0112	284.13
0114	Beldar	day	0.86	306.00	0114	263.16
9999	Sundries (Screws, sand paper)				9999	
	Painting with ready mixed priming coat at back	L.S.	53.82	2.12		114.10
13.50.1	Rate as per item no 13.50.1 of SH : Finishing	sqm	6.00	39.71	13.81.1	238.23 A
	TOTAL					9046.41 W
	Add 1 % Water charges on "W-A"					88.08
	TOTAL					9134.50 X
	Add GST on "X-A" (multiplying factor 0.1405)					1249.93
	TOTAL					10384.42 Y
	Add 15% CPOH on "Y-A"					1521.93
	TOTAL					11906.35 Z
	Add Cess @ 1% on "Z-A"					116.68
	Cost of 6 sqm.					12023.03

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BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
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Cost of 1 sqm. 2003.84

Rate including labour cess

Say Rs. 2003.80 per sqm

- 8.31 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer- in- Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.**

Details of cost for 1 sqm

MATERIAL

Ceramic Glazed tiles = 1.000 sqm

Add for wastage & breakage @

2.5 % = 0.025 sqm

Total = 1.025 sqm

- 7800 Ceramic Glazed Tiles 1st quality minimum thickness 5mm in all colours shades and designs except burgundy, bottle green, black**

		sqm	1.025	190.00	7800	194.75
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	9977 Carriage of tiles	L.S.	6.24	2.12	9977	13.23
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12 mm thick Cement mortar

1:3 (1 cement : 3 coarse sand)

3.8 Rate as per Item Number 3.8 of

SH: Mortars

	9999 Mortar for pointing in white cement	L.S.	40.43	2.12	9999	85.71
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Cement for slurry over bed @ 3.3 kg per sqm

	0367 Portland Cement	tonne	0.0033	5156.00	0367	17.01
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LABOUR

	0123 Mason (brick layer) 1st class	day	0.25	413.00	0123	103.25
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	0115 Coolie	day	0.25	318.00	0115	79.50
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	9988 Sundries including carriage of cement etc	L.S.	26.91	2.12	9988	57.05
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TOTAL

590.39 W

Add 1 % Water charges on "W"

5.90

TOTAL

596.29 X

Add GST on "X" (multiplying factor 0.1405)

83.78

TOTAL

680.07 Y

Add 15% CPOH on "Y"

102.01

TOTAL

782.08 Z

Add Cess @ 1% on "Z"

7.82

Cost of 1 sqm.

789.90

Rate including labour cess

Say Rs. 789.90 per sqm

- 8.32 Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: (a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.**

(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers R W S Q Q Q

BCD Analysis of Rates 2022

Item No.	Description	Unit	Qty	Rate	Rate Code.	Cost Rs.
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(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.

Details of cost for 6.72 sqm

Width of the unit 1.6 m

Height of the unit 4.2 m

Area of Single Unit 6.72 sqm

Total Area 6.72 sqm

No of Panels 1 no

Area i/c wastage @ 5% = 7.06 sqm




Details of cost for 6.72 sqm

MATERIALS

2607	Weather Sealant - Non Staining (600 ml)	each	2.00	332.00	2607	664.00
2608	Weather Sealant - Normal (300 ml)	each	2.00	102.00	2608	204.00
2609	MS Brackets/Aluminium Alloy Brackets	kg	10.00	104.00	2609	1040.00
2611	EPDM Gasket in Kg (Above 60 g / m)	kg	0.70	156.00	2611	109.20
2612	Anchor Fastner - M10	each	2.00	11.00	2612	22.00
2613	SS Bolt with washer of sizes for structural glazing / ACP Cladding	each	2.00	37.00	2613	74.00
2614	SS Screws of sizes for structural glazing / ACP Cladding	each	49.00	4.00	2614	196.00
2615	Protective Tape	metre	7.00	22.00	2615	154.00
2630	Baker rod	metre	5.00	6.00	2630	30.00
2616	GI flashing - 1.2 mm Thick	kg	4.00	61.00	2616	244.00
2631	4 mm thick ACP	sqm	7.06	1100.00	2631	7766.00
9999	Sundries	L.S.	451.00	2.12	9999	956.12
9999	Sundries (For Fabrication)	L.S.	1895.00	2.12	9999	4017.40
9999	Sundries (For Installation)	L.S.	1895.00	2.12	9999	4017.40
9999	Sundries (Scaffolding / Loading / Unloading)	L.S.	602.25	2.12	9999	1276.77
9999	Sundries (Transporation)	L.S.	473.83	2.12	9999	1004.52
9999	Sundries (Designing charges etc.)	L.S.	328.15	2.12	9999	695.68
	TOTAL					22471.09 W
	Add 1 % Water charges on "W"					224.71
	TOTAL					22695.80 X
	Add GST on "X" (multiplying factor 0.1405)					3188.76
	TOTAL					25884.56 Y
	Add 15% CPOH on "Y"					3882.68
	TOTAL					29767.24 Z
	Add Cess @ 1% on "Z"					297.67
	Cost of 6.72 sqm.-					30064.91
	Cost of 1 sqm.					4473.95

Rate including labour cess

Say Rs. 4473.90 per sqm


388


BCD/SOR_11th Edition_2022