

Cement Consumption

Item	Ratio / Grade	Consumption	
A. CEMENT CONCRETE			
BBCC	01:06:12	2.3	Bags/m3.
	01:05:10	2.6	Bags/m3.
	01:04:08	3.4	Bags/m3.
PCC	01:06:12	2.3	Bags/m3.
	01:05:10	2.6	Bags/m3.
	01:04:08	3.4	Bags/m3.
RCC	01:03:06	4.3	Bags/m3.
	01:02:04	6.4	Bags/m3.
	01:1.5:03	8	Bags/m3.
	01:01:02	12.2	Bags/m3.
	01:02:05	5.4	Bags/m3.
	01:2.5:05	5.1	Bags/m3.
B. MORTARS			
Cement and Sand mortar			
	01:01	20.4	Bags/m3.
	01:02	13.6	Bags/m3.
	01:03	10.2	Bags/m3.
	01:04	7.6	Bags/m3.
	01:05	6.2	Bags/m3.
	01:06	5	Bags/m3.
	01:08	4	Bags/m3.
Gauged mortar (Cement Lime and Sand mortar)			
	01:01:06	4.9	Bags/m3.
	01:01:08	3.8	Bags/m3.
	01:02:09	3.3	Bags/m3.
	01:05:10	2.95	Bags/m3.
	01:06:12	2.4	Bags/m3.
C. MASONRY WORK			
Brickwork in Cement sand mortar	Modular (19 x 9 x 9)		
	01:03	2.55	Bags/m3.
	01:04	1.9	Bags/m3.
	01:05	1.56	Bags/m3.
	01:06	1.27	Bags/m3.
	01:08	0.95	Bags/m3.
Brickwork in Gauge Mortar			
	01:01:06	1.21	Bags/m3.
	01:01:08	0.96	Bags/m3.
	01:02:09	0.81	Bags/m3.
Stone masonry, Uncoursed			
Random Rubble walling	Conventional (23 x 11 x 7)		
	01:03	2.95	Bags/m3.
	01:04	2.29	Bags/m3.
	01:06	1.51	Bags/m3.

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		01:08	1.18	Bags/m3.
	Stone masonry in Gauged Mortar			
		01:01:06	1.48	Bags/m3.
	Item	Ratio/Grade	Consumption	
		01:01:08	1.14	Bags/m3.
		01:02:09	0.99	Bags/m3.
	D. PLASTERING			
	12 mm. thick plaster in Cement mortar, on Brick masonry			
		01:02	0.24	Bags/m ² .
		01:03	0.17	Bags/m ² .
		01:04	0.14	Bags/m ² .
		01:05	0.1	Bags/m ² .
		01:06	0.09	Bags/m ² .
	12 mm. thick plaster in Gauged mortar, on Brick masonry			
		01:01:08	0.07	Bags/m ² .
		01:02:09	0.06	Bags/m ² .
	12 mm. thick plaster in Cement mortar, on Stone masonry			
		01:02	0.31	Bags/m ² .
		01:03	0.22	Bags/m ² .
		01:04	0.17	Bags/m ² .
		01:06	0.11	Bags/m ² .
	12 mm. thick plaster in Gauged mortar, on Stone masonry			
		01:01:08	0.08	Bags/m ² .
		01:02:09	0.07	Bags/m ² .
	20 mm. thick plaster in Cement mortar, on Brick masonry			
		01:02	0.34	Bags/m ² .
		01:03	0.24	Bags/m ² .
		01:04	0.19	Bags/m ² .
		01:05	0.13	Bags/m ² .
		01:06	0.12	Bags/m ² .
	20 mm. thick plaster in Gauged mortar, on Brick masonry			
		01:01:08	0.1	Bags/m ² .
		01:02:09	0.08	Bags/m ² .
	20 mm. thick plaster in Cement mortar, on Stone masonry			
		01:02	0.41	Bags/m ² .
		01:03	0.29	Bags/m ² .
		01:04	0.22	Bags/m ² .
		01:06	0.14	Bags/m ² .
	20 mm. thick plaster in Gauged mortar, on Stone masonry			
		01:01:08	0.11	Bags/m ² .
		01:02:09	0.09	Bags/m ² .
	20 mm. thick Sand Face plaster		0.2	Bags/m ² .
	12 mm. thick Water Proof plaster in 1:4 Cement mortar		0.15	Bags/m ² .
	Neat Cement finishing		0.044	Bags/m ² .
	E. POINTING			
	Flush, Grooved or Struck in Cement Brick masonry			
		01:01	0.06	Bags/m ² .
		01:02	0.05	Bags/m ² .
		01:03	0.03	Bags/m ² .
		01:04	0.028	Bags/m ² .
	Flush, Grooved or Struck in Cement Random Stone masonry			
		01:02	0.01	Bags/m ² .

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		01:03	0.08	Bags/m ² .
		01:04	0.06	Bags/m ² .
F. FLOORING				
Precast Mosaic Tiles in cement mortar			0.2	Bags/m ² .
Precast Mosaic Tiles dado in cement mortar			0.23	Bags/m ² .
Green and Brown Kotah Stone in flooring, skirting & dado			0.3	Bags/m ² .
Item	Ratio/ Grade	Consumption		
Green Kotah Stone in Risers and Treads			0.3	Bags/m ² .
Double Polished Kotah Stone			0.3	Bags/m ² .
Rough Kotah Stone			0.3	Bags/m ² .
Glazed Tiles			0.2	Bags/m ² .
Spartek Tiles			0.2	Bags/m ² .
China mosaic			0.22	Bags/m ² .
Marble Slab			0.25	Bags/m ² .
Granite Slab			0.25	Bags/m ² .
Jesalmer			0.25	Bags/m ² .
Red Mandana			0.35	Bags/m ² .
I.P.S,	40 mm. thick		0.35	Bags/m ² .
	50 mm. thick		0.4	Bags/m ² .
Pinkish White Dholpur			0.15	Bags/m ² .
Red Dholpur			0.15	Bags/m ² .
Brick-on-edge			0.31	Bags/m ² .
Terrazzo			0.17	Bags/m ² .
G. STEEL WORK				
Fixing Windows in C.C Blocks 15 x 10 x 10 cm. in C.C	01:03:06		0.03	Bags/m ² .
Fixing Holdfasts in C.C Blocks				
15 x 15 x 30 cm. in C.C	01:03:06		3.3	Bags/100 nos.
23 x 25 x 30 cm. in C.C	01:03:06		7.76	Bags/100 nos.
30 x 30 x 45 cm. in C.C	01:03:06		19.8	Bags/100 nos.
H. MISCELLANEOUS				
Filling Zaris with				
C.M.	01:03		5	Bags/100 nos.
C.C	01:02:04		3.2	Bags/100 nos.
BBCC 1:5:10 Blocks, 30 x 30 x 50 cm. for Wire fencing			5.1	Bags/100 nos.
C.C Blocks for Flooring, 30 x 30 x 30 cm.	01:04:08		5	Bags/100 m ² .
I. ROADWORK				
Precast Curbs of P.C.C	01:02:04		21.5	Bags/100 m.
J. SANITARY WORK				
R.C.C Hume pipes jointed with Cement mortar 1:1				
	600 mm. dia.		6.4	Bags/100 m.
	450 mm. dia.		4.8	Bags/100 m.
	300 mm. dia.		2.2	Bags/100 m.
	230 mm. dia.		1.8	Bags/100 m.
	150 mm. dia.		1.2	Bags/100 m.
	100 mm. dia.		1	Bags/100 m.
SW pipes jointed with Cement mortar 1:1				
	300 mm. dia.		12.94	Bags/100 m.

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		230 mm. dia.	9.74	Bags/100 m.
		150 mm. dia.	6.56	Bags/100 m.
		100 mm. dia.	4.34	Bags/100 m.
	C.I Waste water line, concealed including filling the zari with	75 mm. dia.	8.6	Bags/100 m.
	Cement mortar 1:4 and joints in Cement mortar 1:1	100 mm. dia.	10.88	Bags/100 m.
	C.I Soil pipe/Rain water pipe, concealed, including filling the	100 mm. dia.	10.88	Bags/100 m.
	Item	Ratio/ Grade	Consumption	
	zari with C.M. 1:4 and joints in Cement mortar 1:1	150 mm. dia.	14.66	Bags/100 m.
	Fixing European type WC		0.1	Bag/no.
	Fixing Orissa pan			
	Fixing Urinal/s.		0.2	Bag/no.
	Fixing Wash Hand Basin		0.03	Bag/no.
	Fixing S.S Sink		0.05	Bag/no.
	Brick Masonry Chambern 300 x 300 x 610 mm.		1.7	Bag/no.
	Half Round Channel 100 mm.		15.86	Bags/100 m.
	Fixing 100 mm. dia. SW Gully Trap		0.5	Bag/no.
	K. STORM WATER DRAINAGE & CULVERTS			
	R.C.C. pipe NP - 2			
		230 mm. dia.	1.8	Bags/100 m.
		300 mm. dia.	2.4	Bags/100 m.
		450 mm. dia.	5.4	Bags/100 m.
		900 mm. dia.	9.8	Bags/100 m.
	Storm water Gully Chamber		6	Bag/no.