

CENTRAL WAREHOUSING CORPORATION (CWC)
PLINTH AREA RATES 1997 (CWC PAR-1977)

1. Construction of Godowns and Platform in Brick Masonary (Ordinary Soil)	Rs.
(A) Conventional Godown size 126.01x22.26m o/o of Cols.	Sqm 1752.00
(B) Extra for 1.83M wide Platform with RCC Nosing	Sqm 1830.00
2. Construction of Godowns and Platform in Random Bubble Masonary (Ordinary Soil)	
(A) Conventional Godown size 126.01x22.26m o/o of Cols.	Sqm 1882.00
(B) Extra for 1.83m wide Platform with RCC Nosing	Sqm 1926.00
3. Construction of conventional Mini Godown of 640 MTC size 28.58x11.01m o/o of cols. in Brick Masonary (ordinary soil)	Sqm 2202.00
4. Construction of Compound Walls	
(A) In Brick Masonary (ordinary soil as per drg. No. CWC/ANC/41/1	Rmt. 1400.00
(B) In R.R. Masonary (Ordinary soil) as per drg. No. CWC/ANC/215	Rmt. 1800.00
(C) In R.R. Masonary (Black Cotton Soil) as per drg. No. CWC/ANC/177 and 41/1	Rmt. 2512.00
5. Construction of Roads in	
(A) Ordinary soil, as per drg. No. CWC/PG/385/2	Sqm 257.00
(B) Black cotton soil as per drg. No. CWC/PG/386/1	Sqm 461.00

BROAD SPECIFICATION

1. GODOWNS

- (i) The godowns have been considered as per Drawing No. CWC/PG/379/2 in general. A.C. sheet roofing over tubular trusses have been considered. The tubular trusses shall be of 21.8 m span (centre to centre of supports) placed at 4.65m c/c over R.C.C. columns. The trusses have been taken as per drg. No. CWC/PG/104/1, 105/2, 106-A/1. Drawing No. 380/4 for steel doors and ventilators, CWC/PG/382, CWC/PG/382, CWC/PG/68/2, CWC/PG/168A, CWC/PG/226 have also been considered.
- (ii) The brick masonry walls shall be as per drawing no. CWC/PG/379/2.
- (iii) The long walls and partition walls of stone masonry godown shall be 38cm thick in R.R. Masonary as per drawing No. CWC/PG/89/1.
- (iv) The foundations have been considered for S.B.C. 11MT./Sqm. in ordinary soil.
- (v) The foundations of walls and columns shall be as per drg. no. CWC/PG/389 for brick masonry godowns. For seismic Bands and Beams Drg. No. CWC/PG/381/1 has been referred.
- (vi) The foundation of walls and columns shall be as per drg. No. CWC/PG/89/1 in case of stone masonry godowns.
- (vii) 50mm thick C.C. 1:2:4 flooring over Gr.-II(75 cm thick) and Gr.-III (7.5 cm thick) W.B.M. has been considered as per Drg. No. CWC/PG/385/2.

2. PLATFORMS

- (i) Platforms have been taken 1.83m as per drg. No. CWC/PG/379/2 with R.C.C. nosing and steel fenders for entire length of platform. There will be R.C.C. floor in front of Rolling Shutters.

3. MINI GODOWNS

- (i) The godown has been considered as per drg. no. CWC/PG/353.
A.C. Sheet roofing over Tubular Trusses have been considered.
The Tubular Trusses shall be of 10.71M/ c/c span c/c of supports placed at 4.04m c/c over RCC coloumns. The Trusses to be fabricated as per drg. No. CWC/PG/94/3.
- (ii) The Thickness of Brick Masonary walls, coloumns and Flooring details shall be as per drg. No. CWC/PG/353.
- (iii) Air Inlets V_6 not considered drg. No. CWC/PG/380/4 for steel ventilators referred.

4. COMPOUND WALLS

The construction of compound wall has been considered as per details given below:—

- (i) Brick Masonary (Ordinary soil) as per drg. no. CWC/ANC/41/1.
- (ii) R.R. Masonary (Ordinary soil) as per drg. No. CWC/ANC/215.
- (iii) R.R. Masonary (Black cottons soil) as per drg. No. CWC/ANC/177 and 41/1.

5. ROADS

- (i) **In ordinary soil:** The road crust has been considered as per drg. No. CWC/PG/385/2 as under including preparation of subgrade—
 - * Seal coat
 - * 4 cm. premixed carpet surfacing
 - * 7.5 cm. thick WBM Gr. III
 - * 7.5 cm. thick WBM Gr. II
 - * 10cm. thick WBM Gr. I
- (ii) **In Black Cotton Soil**
The crust shall be as per drg. No. CWC/PG/386/1 as under—
 - * Seal Coat
 - * 4 cm premixed carpet surfacing
 - * 7.5 cmth WBM Gr. III
 - * 10cmth WBM Gr. II - 63 to 45mm.
 - * 23cmth WBM Gr. I - 106 to 75 mm
 - * 30cm moorum filling.

**COST INDEX FOR CONSTRUCTION OF GODOWNS
(PRELIMINARY ESTIMATES & PROJECT REPORTS)**

S.No.	Designation	Unit	Rates as per DSR-97i/c carriage (Rs.)	Weight- age	Market Rate at site for materials & notified rate of wages for labour	Cost Index (5) × (6) (4)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Cement	Quintal	256.09	13.50			
2.	(a) Bricks class Design 75 or	1000 nos.	1329.44	10.00			
	(b) Stone for Masonary	Cu.m	369.54				
3.	Sand: 66.67% of coarse sand 33.38% of fine sand	Cu.m	358.58	5.50			
4.	Stone Aggregate 10% of 40mm size 50% of 20mm size 40% of 10mm size	Cum	348.10	11.00			
5.	Truss	Sqm.	450.00 (A.R.)	22.00			
6.	A.C. Sheets	Sqm.	130.48	10.50			
7.	Reinforcement steel : 50% (Tor Steel 8mm to 10mm: 50% (Tor Steel 12mm to 16mm:	Quintal	1455.45	5.50			
8.	Structural steel	Quintal	1595.45	6.00			
9.	Bitumen	MT	6555.91	2.50			
10.	Mason (Average of 1st & 2nd Masons)	Each	100.00	2.25			
11.	Carpenter/Painter/Blacksmith	Each	100.00	3.25			
12.	Beldar	Each	65.00	8.00			
				100.00			
							Net Cost Index
							Total of Col. 7 = 100

COST INDEX FOR CONSTRUCTION OF INTERNAL ROADS (ORDINARY ROADS)
APPLICABLE FOR PRELIMINARY ESTIMATES AND PROJECT REPORTS BASED ON PAR-1997

S.No.	Designation	Unit	Rates as per DSR-97i/c carriage (Rs.)	Weight- age	Market Rate at site for materials & notified rate of wages for labour	Cost Index (5) × (6) (4)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Stone Aggregate 22.4mm to 90mm Size	Cum.	322.07	48.20			* AV Rate of stone aggregates 22.4 mm to 90 mm size
2.	Stone Aggregate 180 Microns to 13.2 mm size	Cum.	354.61	21.00			*AV Rate of stone aggregates 180 mic- rons to 13.2 mm size
3.	Coarse Sand	Cum	425.05	1.00			
4.	Moorum	Cum.	231.93	2.50			
5.	Bitumen	M.T.	6555.91	12.50			
6.	Mistry	Each	110.00	0.20			
7.	(A) Mate/Belder/Coolie/ Chowkidar	Each	65.00	9.35			
	(B) Bhisti	Each	71.00	1.90			
8.	Road Roller	Per day	800.00	3.00			
9.	Boiler	Per day	250.00	0.25			
10.	Bitumen Mixer	Per day	400.00	0.10			
				100.00			

Total A

Cost Index A-100

% above/below

**COST INDEX PROFORMA FOR CONSTRUCTION OF COMPOUND WALL (IN ORDINARY SOIL) WITH
BRICK MASONRY/R.R. MASONRY (FOR PRELIMINARY ESTIMATE & PROJECT REPORTS)**

S.No.	Designation	Unit	Rates as per DSR-97i/c carriage (Rs.)	Weight- age	Market Rate at site for material & notified rate of wages for labour	Cost Index (5) × (6) (4)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Cement	Qtl.	256.09	18.50			
2.	Stone Aggregate						
	(a) 40mm	Cum.	314.61	2.00			
	(b) 20mm/10mm	Cum.	352.11	2.50			AV rate of 20 mm × 10mm Stone Agg.
3.	(a) Coarse Sand	Cum.	425.05	8.25			
	(b) Fine Sand	Cum.	225.32	1.25			
4.	Bricks 75 Class designation	1000 Nos	1329.44	31.00			
5.	Shuttering Material (for 1 Sqm)						
	(a) Wall form panel (150 No.)	Each	1196.25				
	(b) Shoulder (0.50)	Each	412.50				
	(c) Bridge Clips (1.50)	Each	82.50	2.00			
	(d) Single Clips (0.70)	Each	34.50				
	(e) M.S. Tube (2.03)	R/Mtr	389.00				
	(f) Nuts & Bolts (32 Nos.)	Each	46.00				
	Shuttering Oil	Each					
6.	Lime	Qty	250.00	0.25			
7.	Primer & Paint	Litre	62.00	0.25			Average rate of primer paint.
8.	M.S. Angles	Qtl.	1475.45	6.00			
9.	Barbed Wire Weighing 9.30 Kg. per 100m	Qtl.	2328.59	1.00			
10.	Mason	Each	100.00	6.25			
11.	Beldar/Coolie	Each	65.00	13.75			
12.	Bhisti/Mate	Each	71.00	4.00			
13.	Fitter/Black smith/Painter	Each	100.00	1.90			Average rate of Fitter I & II & Painter.
14.	White Washer	Each	60.00	0.60			
15.	T&P	Per day	200.00	0.25			
	(a) Mixer &						
	(b) Vibrator	Per day	250.00	0.25			

Total A
Cost Index A-100
% above/below