

**Construction of New Aganwadi Building at Chitravadi Village, Taluka: Nandod, Dist: Narmada.**  
**(Pkg-4)**

**CEMENT CONSUMPTION**

It. No.	Qty.	Brief Description	Rate of Consumption	Unit	Cement consumption in KG.
1	2	3	4	5	6
11	9.90	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6- machine cut stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth.	220.00	Kg/Cum	2178.00
12	6.10	Providing and laying controlled cement concrete M.250 and curing complete including the cost of formwork and excluding reinforcement for reinforced concrete work in (A) Foundations, footings, and Mass concrete. footing	380.00	Kg/Cum	2318.00
13	1.80	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in (D) Columns up to Plinth Level.	380.00	Kg/Cum	684.00
14	4.00	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in (D) Columns on Ground Floor.	360.00	Kg/Cum	1440.00
15	0.50	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in (D) Columns on Terrace Floor.	360.00	Kg/Cum	180.00
16	9.10	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in (C) Ground Beam and Plinth Beam	380.00	Kg/Cum	3458.00
17	5.50	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in (C) Plinth Slab	290.00	Kg/Cum	1595.00
18	4.30	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding reinforcement for reinforced concrete work in (C) Beam at Ground Floor	360.00	Kg/Sqm	1548.00
19	0.40	Providing and laying controlled cement concrete M-200 and curing etc. complete including the cost of form work and reinforcement for reinforced concrete work in (C) Chhajja at Ground floor	360.00	Kg/Sqm	144.00
20	0.41	Providing and laying controlled cement concrete M-200 and curing etc. complete including the cost of form work and reinforcement for reinforced concrete work in (C) Lintel at Ground floor	360.00	Kg/Sqm	147.60
21	5.10	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork and excluding reinforcement for reinforced concrete work in (C) Ground floor Slab	360.00	Kg/Sqm	1836.00
28	2.90	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg/sq.cm. in foundation and plinth in cement mortar 1:6 (1 cement : 6 fine sand) Conventional	80.00	Kg/Sqm	232.00
29	14.60	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. in super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) Conventional (Ground Floor)	80.00	Kg/Sqm	1168.00
30	3.00	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. in super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) Conventional (Terrace Floor)	80.00	Kg/Sqm	240.00
33	140.30	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls / concrete wall for interior plastering and finished even and smooth along with floating coat of neat cement slurry etc. comp. in (ii) Cement mortar 1:4 (1-cement :4-sand) 1) Plaster at Ground Floor	12.00	Kg/Sqm	1683.60

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1	2	3	4	5	6
34	12.80	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls / concrete wall for interior plastering and finished even and smooth along with floating coat of neat cement slurry etc. comp. in (ii) Cement mortar 1:4 (1-cement :4-sand) 2) Plaster at Terrace Floor	12.00	Kg/Sqm	153.60
35	36.10	Providing 10 mm thick smooth cement plaster in single coat for plastering on ceiling and soffits of stairs and finished even and smooth along with floating coat of neat cement slurry etc. comp. (i) Cement mortar 1:4 (1 cement: 4 sand). 1) Plaster at Ground Floor	8.00	Kg/Sqm	288.80
36	106.30	20mm thick double coat sand faced cement gutka plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) including 1cm x 1cm grooves etc. complete.	8.00	Kg/Sqm	850.40
47	26.20	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for antiskit	12.00	Kg/Sqm	314.40
48	4.10	Providing and laying Vitrified tiles 8 to 10 mm thick , in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	12.00	Kg/Sqm	49.20
49	8.70	Providing and laying Machine cut, free edges, mirror polished Granite Slab flooring over 18mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 18mm thick	15.00	Kg/Sqm	130.50
50	1.30	Providing and laying Machine cut, free edges, mirror polished Granite Slab 18mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete	15.00	Kg/Sqm	19.50
51	1.40	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	15.00	Kg/Sqm	21.00
52	11.60	Providing and laying Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	15.00	Kg/Sqm	174.00
53	2.10	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete. (B) 30 mm thick	15.00	Kg/Sqm	31.50
54	3.90	Providing and laying Ceramic tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	15.00	Kg/Sqm	58.50
55	5.80	Providing and fixing mirror polished 18 mm thick Granite with full round edge and polished of approved quality in cladding on sill and around the doors/ windows/ ventilation with 20 mm thick cement plaster CM (1:4) and fixing with cement slurry & adhesive including moulding of exposed edges as directed by engineering in charge etc. complete.	15.00	Kg/Sqm	87.00
56	12.55	Providing and laying 40 mm thick IPS (Indian Patent Stone) flooring in cement concrete 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate of 20 mm nominal size) laid in one layer over prepared base and finished with a smooth floating coat of neat cement mixed with approved yellow colour pigment of required shade at 0.35 kg/Sq.m to obtain uniform colour and finish, including surface preparation, compacting, trowel finishing, curing and complete as directed by Engineer-in-Charge.	22.00	Kg/Sqm	276.10

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1	2	3	4	5	6
57	10.20	Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8 mm having with water absorption less than 0.5% and conforming to IS:15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20 mm thick base of cement mortar 1:4 (1 cement: 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	10.00	Kg/Sqm	102.00
58	47.40	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall,clearing with water and oxalic acid etc. as directed	10.00	Kg/Sqm	474.00
<b>Total K.G</b>					<b>21882.70</b>
<b>i.e.MT</b>					<b>21.88</b>

**Deputy Executive Engineer  
Panchayat (R&B) Sub Division  
Rajpipla**

**Executive Engineer  
Panchayat (R&B) Division  
Narmada**