

BILL OF MATERIAL (Civil)

PR LINE No	Sl.	DSR-2021	Activity Number	Description of Item	HSN/SAC code as per POWERGRID	POWERGRID HSN/SAC rate GST Rate(in%)	Unit	Qty
10	1	5.3	120003032	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	995454	18	cum	1.330
	2	5.9		Centering and shuttering including strutting, propping etc. and removal of form for				
20	a	5.9.3	120000501	Suspended floors, roofs, landings, balconies and access platform	995457	18	sqm	26.650
	3	6.4		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
30	a	6.4.2	120000607	Cement mortar 1:4 (1 cement : 4 coarse sand)	995456	18	cum	4.790
	4	11.3		Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
39	a	11.3.1	120001170	40 mm thick with 20 mm nominal size stone aggregate	995474	18	sqm	93.600
	5	11.13		Providing and fixing glass strips in joints of terrazo/ cement concrete floors.				
40	a	11.13.1	120001200	40 mm wide and 4 mm thick	995474	18	metre	177.060
	6	12.19		Providing and laying brick tiles over mumty roofs, grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement, over 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat:				
50	a	12.19.1	120001316	With common burnt clay F.P.S. (non modular) brick tiles of class designation 10	995453	18	sqm	190.280
	7	12.21		Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :				
60	a	12.21.1	120001318	In 75x75 mm deep chase	995453	18	metre	83.600
70	8	12.22	120001319	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	995453	18	each	6.000
	9	13.4		12 mm cement plaster of mix :				
80	a	13.4.2	120001406	1:6 (1 cement : 6 coarse sand)	995472	18	sqm	106.050
	10	13.44		Finishing walls with water proofing cement paint of required shade :				

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90	a	13.44.1	120001464	Finishing walls with water proofing cement paint of required shade :New work (Two or more coats applied @ 3.84 kg/10 sqm	995473	18	sqm	712.410
	11	13.46		Finishing walls with Acrylic Smooth exterior paint of required shade :				
100	a	13.46.1	120001466	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	995473	18	sqm	250.860
110	12	13.80	120001511	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	995472	18	sqm	1903.960
	13	13.83		Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
120	a	13.83.1	120001516	One or more coat on old work	995473	18	sqm	2909.990
130	b	13.83.2	120001517	Two or more coats on new work	995473	18	sqm	940.690
	14	13.85		Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
140	4	13.85.3	120001522	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	995473	18	sqm	940.690
150	15	13.88	120003232	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. Complete	995419	18	sqm	1301.298
160	16	13.91	120001600	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	995419	18	sqm	3873.260
	17	13.94		Painting (one or more coats) on rain water, soil waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work :				
170	a	13.94.2	120003242	100 mm diameter pipes	995419	18	metre	222.600
	18	13.99		Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
180	a	13.99.1	120001614	One or more coats on old work	995419	18	sqm	846.080
	19	13.103		French spirit polishing :				
190	a	13.103.1	120001618	One or more coats on old work	995419	18	sqm	7.800
	20	13.109		Finishing walls with water proofing cement paint of required shade :				
200	a	13.109.2	120003262	Old work (one or more coats @ 2.20 kg/10 sqm) complete.	995419	18	sqm	256.240
	21	13.111		Finishing walls with Acrylic Smooth exterior paint of required shade :				

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210	a	13.111.2	120003264	Old work (One or more coat applied @ 0.90 ltr/10 sqm).	995419	18	sqm	2257.710
	22	14.1		Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
220	a	14.1.2	120001524	With cement mortar 1:4 (1cement: 4 coarse sand)	995419	18	sqm	1348.330
	23	15.2		Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
230	a	15.2.1	120001641	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	995429	18	cum	14.190
240	24	15.26	120001681	Demolishing brick tile covering in terracing including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	995419	18	sqm	190.280
250	25	15.27	120001682	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	995419	18	cum	19.030
260	26	22.6	120002836	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	995453	18	sqm	190.280