

OFFICE OF THE MUNICIPAL CORPORATION, RAIGARH (C.G.)

Detailed Estimate ForAt Baderampur, ward No. 02

(Based on PWD Building SOR Wef from Dated 01-01-2015)

S. No.	SOR Ref	DESCRIPTION	No	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10	11
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
		In all types of soils.								
	1.1.1	Footing	122	1.50	1.50	1.50	411.75			
			2	1.80	1.80	1.50	9.72			
		PB	2	120.0	0.30	0.40	28.80			
			2	50.00	0.30	0.40	12.00			
			1	30.00	0.30	0.40	3.60			
							465.87	Cum	185.00	86185.95
2	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
							419.28	Cum	65.00	27253.40
3	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
		1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
	3.1.3	Footing	117	1.50	1.50	0.10	26.33			
			2	1.80	1.80	0.10	0.648			
		PB	2	120.0	0.30	0.10	7.20			
			2	50.00	0.30	0.10	3.00			
			1	30.00	0.30	0.10	0.90			
							38.07	cum	2970.00	113076.81
4	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
		Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
	2.1.1	Footing	124x4	1.30		0.20	128.96			
			124x4	0.40		0.45	89.28			
		PB	2x2	120.0		0.30	144.00			
			2x2	50.00		0.30	60.00			
			1x2	30.00		0.30	18.00			
							440.24	sqm	139.00	61193.36
5	2.1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		Column	122x2	0.20		2.60	126.88			
			122x2	0.30		2.60	190.32			
			2x4	0.40		2.60	8.32			
							325.52	Sqm	297.00	96679.44
6	2.1.8	Beams, lintels, cantilevers & walls								
			2x2	120.0		0.20	96.00			
			2x2	50.00		0.20	40.00			
			1x2	30.00		0.20	12.00			
							148.00	Sqm	202.00	29896.00
	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								

7	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).											
		Footing	124	1.30	1.30	0.20	41.91						
			124		0.30		37.20						
			124	0.40	0.40	0.45	8.93						
		PB	2	120.0	0.20	0.30	14.40						
			2	50.00	0.20	0.30	6.00						
			1	30.00	0.20	0.30	1.80						
		Column	122	0.20	0.30	2.60	19.03						
			2	0.40	0.40	2.60	0.83						
		Top Beam	2	120.0	0.20	0.20	9.60						
			2	50.00	0.20	0.20	4.00						
			1	30.00	0.20	0.20	1.20						
							144.90	Cum		4163	603235.35		
8	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in undation and plinth											
	3.12.1	Thermo-Mechanically treated bars FE 415											
		As per Qty. item No.(7) @ 100Kg/Cum			x100		14490.4						
9	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:											
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)											
			2	120.0	0.20	2.60	124.80						
			2	50.00	0.20	2.60	52.00						
			1	30.00	0.20	2.60	15.60						
		Deduction	122	0.20	0.20	2.60	12.69						
			2	0.40	0.20	2.60	0.42						
							Total	179.30	Cum	3263.00	585042.85		
10	7.6	Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:											
								179.30	Cum	121.00	21694.82		
11	11.3	Providing and making 15 mm thick cement plaster on the Rough Side of single or half Brick Wall of mix:											
	11.3.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)											
			2x2	120.0		2.80	1344.00						
			2x2	50.00		2.80	560.00						
			1x2	30.00		2.80	168.00						
							Total	2072.00	Sqm	107.00	221704.00		
12	9.19	Providing and fixing in position door shutter made of square/ rectangular hollow steel tube of approved size joint mitred, welded frame with two Nos. intermediate rails, 200mm wide lock rail made of 1.6mm thick M.S. sheet welded to intermediate rail, M.S. grill of approved pattern made of M.S. flat or square or round bars welded to frames and provided M.S. butt hinges, all necessary fitting and finished by filling putty including applying a priming coat of red oxide zinc chromate primer all complete. (To be used in safety door shutters in buildings)											
			1	3.00	2.80	60.00	504.00	Kg		93.50	47124.00		
14	14.14	Finishing walls with water proofing cement paint of required shade to give an even shade.											
	14.14.1	On new work (Two or more coats applied @ 3.84 kg/10 sqm)											
							2072.00	sqm		41.00	84952.00		
16	14.13	Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.											

						2072.00			
					Total	2072.00	Sqm	74.50	154364.00
14.22	Painting on new work (two or more coats) to give an even shade with:								
14.22.1	Satin synthetic enamel paint								
17									
		2	3.00	2.80		16.80			
					Total	16.80	Sqm	55.00	924.00
								SUB Total-	2922128.8
								Say Rs=	29.22Lacs

Asst. Engineer
Municipal Corporation
Raigarh(C.G.)

Sub-Engineer
Municipal Corporation
Raigarh(C.G.)

Estt. No. 179 Date 18/06/26
Technical Sanction For Construction
of सामुदायिक शौचालय के संस्करण एवं नई सुविधाओं
Ward No. 8 is hereby Granted
for Rs. 29.22 Lacs
as per proposal received

Executive Engineer
Municipal Corporation
Raigarh (C.G.)