

Date-Time Detail(s)

Seq. No.	Nagar Nigam Stage	Contractor Stage	Start		Expiry		Remarks
			Date	Time	Date	Time	
1	Release Tender		18.06.2025	15.30	18.06.2025	15.30	Release Tender
2		Bid Submission	18.06.2025	15.30	11.07.2025	17.30	
3		Physical Document Submission	18.06.2025	15.30	15.07.2025	15.00	
4	Tender Open		15.07.2025	16.00	--	--	


 EXECUTIVE ENGINEER
 Executive Engineer,
 For, Commissioner Korba (C.G.),
 KCRBA (Chhattisgarh)

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

DETAILED ESTIMATE

Name of work:- Construction of Samudayik bhawan at Dhelwadihi ward no 9 Korba zone

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

S. No.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
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								
	1	In all types of soil								
		column	10	1.50	1.50	1.50	33.75			
			2	6.20	0.60	0.80	5.95			
			5	4.70	0.60	0.80	11.28			
		PLINTH PROTECTION	2	12.40	0.60	0.20	2.98			
			2	7.60	0.60	0.20	1.82			
						Total	55.78	Cum	185.00	10319.67
2	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		Raft	10	4	1.40	0.30	16.80			
		footing	10	4	0.60	0.60	14.40			
		column below plinth	10	2	0.300	1.10	6.60			
			10	2	0.200	1.10	4.40			
		plinth beam	2	2	12.400	0.30	14.88			
			5	2	6.400	0.30	19.20			
						Total	76.28	Sqm	139.00	10602.92
	5	Columns, Pillars, Piers and likes- rectangular or square in shape								
			10	1		2.9	29			
			10	1		0.6	6			
						Total	35.00	sqm	297.00	10395.00
	7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		SLAB	1	12.80	6.80		87.04			
			2	12.80	0.125		3.20			
			2	6.80	0.125		1.70			
		chajja	8	1.80	0.600		8.64			
			8	2.40	0.100		1.92			
			1	6.40	0.600		3.84			
						Total	106.34	sqm	235.00	24989.90
	8	Beams, lintels, cantilevers & walls								
			4	12.40	0.20		9.92			

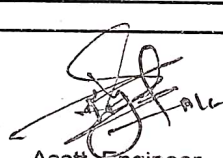
		4	6.40	0.20		5.12			
		4	12.40	0.20		9.92			
		4	6.40	0.20		5.12			
	ken beam	6	6.00	0.50		18.00			
		6	6.00	0.30		10.80			
		2	6.00	0.30		3.60			
					Total	62.48	sqm	202.00	12620.96
3	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including							
	column	10	1.50	1.50	0.10	2.25			
	below plinth	2	6.20	0.60	0.10	0.74			
	filling under floor	5	4.70	0.60	0.10	1.41			
		1	12.00	6.00	0.20	14.40			
					Total	18.80	Cum	371.00	6976.28
4	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.							
	3	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).							
	column	10	1.50	1.50	0.10	2.25			
		2	6.20	0.60	0.10	0.74			
		5	4.70	0.60	0.10	1.41			
		1	12.00	6.00	0.15	10.80			
	PLINTH PROTECTION	2	12.40	0.60	0.10	1.49			
		2	7.60	0.60	0.10	0.91			
					Total	17.60	Cum	2659.00	48809.04
5	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							
					Total	55.78	Cum	65.00	3625.83
6	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							
	1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).							
	raft c1	10	1.40	1.40	0.30	5.88			
	footing	10	0.60	0.6	0.60	2.16			
	column below plinth	10	0.20	0.300	1.10	0.66			
	plinth beam	2	12.40	0.200	0.30	1.49			
		5	6.40	0.200	0.30	1.92			
					Total	12.11	Cum	4163.00	50405.60
	super structure 3.2.1+3.4								
	C1	10	0.20	0.30	2.90	1.74			
	LINTEL BEAM	2	12.40	0.20	0.20	0.99			
		2	6.40	0.20	0.20	0.51			
	TOP BEAM	2	12.40	0.20	0.30	1.49			

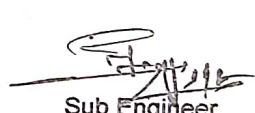
		2	6.40	0.20	0.30	0.77			
		3	6.40	0.20	0.50	1.92			
	SLAB	1	12.80	6.80	0.125	10.88			
	Chajja	8	1.80	0.600	0.10	0.86			
		1	6.400	0.600	0.100	0.38			
		10	0.200	0.300	0.600	0.36			
					Total	19.91	Cum	4260.50	84818.03
7	3.4					0.00	Cum	97.50	
	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and								
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 foundation and plinth								
		100		32.02		3201.60			
					Total	3201.60	kg	54.50	174487.20
	1.19								
	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. Complete								
		1	12.00	6.00	0.60	43.20			
					Total	43.20	Cum	242.00	10454.40
					=				
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:								
	3								
	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		2	12.40	0.20	0.90	4.46			
		5	6.40	0.20	0.60	3.84			
		2	12.40	0.20	2.90	14.38			
		2	6.40	0.20	2.90	7.42			
		2	6.40	0.20	0.60	1.54			
		2	12.40	0.20	0.60	2.98			
		4	6.40	0.30	0.20	1.54			
	STEPS	3	6.40	0.90	0.20	3.46			
	deduct	-8	1.50	0.20	1.20	-2.88			
		-1	3.00	0.20	2.10	-1.26			
	PLINTH PROTECTION	2	12.40	0.30	0.30	2.23			
		2	7.60	0.30	0.30	1.37			
					Total	39.08	Cum	3263.00	127504.99
11	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.								
	5								
	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		2	12.40	0.60	0.10	1.49			
		2	7.60	0.60	0.10	0.91			
					Total	2.40	Cum	4073.00	9775.20

		Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 1562 of approved make in all colors and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete							
	1	Size 600x600mm							
			1	12.20	6.20		75.64		
						Total	75.64	sqm	1151.00
									87061.64
12.46		15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m).							
	1	Granite stone grey/pink							
			3	6.40	0.30		5.76		
			4	6.40	0.15		3.84		
						Total	9.60	sqm	1869.00
						=			17942.40
6	9.15	Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer.							
		door	2	35.00			70.00		
		window	8	35.00			280.00		
		ventilator	8	18.00			144.00		
						Total	494.00	Kg	67.50
						=			33345.00
7	9.13	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a							
			1	2.00		95.00	190.00		
						Total	190.00	sqm	75.00
									14250.00
18	11.1	Providing and making 6mm thick cement plaster of mix							

		Cement mortar 1:4 (1 cement : 4 fine sand)							
			1	12.4	6.40		79.36		
			8	1.80	0.60		8.64		
			1	6.40	0.60		3.84		
						Total	91.84	sqm	87.00 7990.08
19	11.2	Providing and making 12mm thick cement plaster of mix							
		4 In Cement Mortar 1:6 (1 cement : 6 fine sand)							
			2	12.40		4.75	117.80		
			2	6.40		4.75	60.80		
						Total	178.60	sqm	91.50 16341.90
20	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:							
		4 In Cement Mortar 1:6 (1 cement : 6 fine sand)							
			2	12.00		3.50	84.00		
			2	6.00		3.50	42.00		
						Total	126.00	sqm	107.00 13482.00
21	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.							
							396.44		
						Total	396.44	sqm	94.50 37463.58
22	14.1	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.					217.84	sqm	44.50 9693.88
		1 On new work (Two or more coats)							
23	14.15	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per					178.60	sqm	56.00 10001.60
		1 On new work (Two or more coats)							
24	14.22	Painting on new work (two or more coats) to give an even shade with:							
		2 Premium synthetic enamel paint	2	1.20	2.10		5.04		
			2	3.50	2.10		14.70		
			5	0.90	0.60		2.70		
						Total	22.44	sqm	47.00 1054.68

	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitered and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1968 minimum anodic coating shall								
	9.47.1 For fixed portion					150.00	kg	331.00	49650.00
26	9.47.2 For shutter of doors, windows & ventilators including providing and making provision for fixing of fitting wherever required including the cost of PVC/					132.00	kg	338.00	44616.00
27	9.51 Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
	9.51.2 With float glass panes of 5 mm thickness	8	1.50	1.20		14.40			
		8	0.60	0.60		2.88			
					Total	17.28	sqm	708.00	12234.24
					=				
TOTAL=									938912.03
ELECTRIFICATION									60199.00
TOTAL=									999111.03
SAY RS.=									1000000.00


 Asstt. Engineer
 Municipal Corporation
 Korba (C.G.)


 Sub Engineer
 Municipal Corporation
 Korba (C.G.)

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

DETAILED ESTIMATE

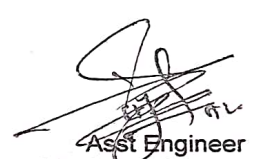
Name of work :

As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-06-2020] PART- B

S. N.	SOR Ref.	ITEM DESCRIPTION	NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
1	1.1	Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	1	Short Point	25				25	Point	240.00	6000.00
	2	Medium Point	7				7	Point	376.00	2632.00
2	1.3	Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)	2				2.00	Point	87.00	174.00
3	1.13	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)								
	4.13.2	3 X 2.5 sq. mm in 20mm conduit	4	40.00			160.00	Metre	111.00	17760.00
4	6.1	Supplying, installation, testing and commissioning of following sizes ceiling fan including wiring the down rods of standard length up to 30 cm with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, earthing etc. complete as required. P.F. should be greater than 0.9, with BEE Star rating from 3 star and above, IS: 374:2019 including all amendments.								
	3	1400 mm sweep	8				8	Each	1773.00	14184.00
5	6.15	Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio ≥ 100 lumens /watt.								
	8.22.5	12 Watt	12				12.00	Each	588.00	7056.00

6	15 Watt	5				5.00	Each	679.00	3395.00
	Supplying and fixing following piano type switch, socket, other accessories on the existing switch box cover including connections etc. as per specification.								
5.1.1	5/6 amps one way switch	2				2.00	Each	25.00	50.00
5.1.4	15/16 amps switch	6				6.00	Each	59.00	354.00
5.1.5	3 pin 5/6 amp socket outlet	8				8.00	Each	42.00	336.00
5.1.6	6 pin 15/16 amp socket outlet	4				4.00	Each	73.00	292.00
5.1.7	Plug Top 3 pin 5/6 Amps (For light plug).	4				4.00	Each	38.00	152.00
5.1.8	Plug Top 3 pin 16 Amps (For power plug).	2				2.00	Each	51.00	102.00
5.1.12	Fan regulator Electronic, step type moving all round	7				7.00	Each	130.00	910.00
5.1.13	Ceiling rose 3 pin 5 amps	7				7.00	Each	32.00	224.00
5.1.15	Batten/ angle holder	17				17.00	Each	38.00	646.00
7	9.1 Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.								
11.17.2	3 pole MCCB, 25-63A, Fixed Thermal Release, 10KA	4				4.00	Each	1483.00	5932.00
TOTAL =									60199.00


 Sub Engineer
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