

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

## ABSTRACT

Name of Work : **CONSTRUCTION OF SAMUDAYIK BHAWAN NEAR KABIR ASHRAM RISDI WARD NO. 35**

As per : **SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]**

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	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 pits.				
	1.1	In all types of soils.	cum	138.85	185.00	25,687.25
2	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 dressing etc. complete.	cum	96.77	371.00	35,901.67
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	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	cum	31.57	2970.00	93,762.90
4	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.				
	2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	100.47	4163.00	418,256.61
5	3.4	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 plinth:	cum	58.15	97.50	5,669.62
6	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 all complete:				
	2.1	Thermo-Mechanically treated bars FE 415	kg	11051.70	54.50	602,317.65
7	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:				
	5.3	Cement Mortar 1:5 (1 cement : 5 coarse sand)	cum	64.62	3350.00	216,477.00
8	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:	cum	40.78	121.00	4,934.38
9	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	sqm	209	139.00	29,051.00
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	114	297.00	33,858.00
	1.8	Beams, lintels, cantilevers & walls	sqm	141	202.00	28,482.00
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	223.2	235.00	52,452.00
	.13	Weather shade, chhajja, Cornices and mouldings	sqm	68.88	294.00	20,250.72
	.15	Stair cases of all types excluding spiral and folded plate type, including risers and landings	sqm	41.44	230.00	9,531.20
10	11.1	Providing and making 6mm thick cement plaster of mix:				
	1.2	In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	306.99	87.00	26,708.13



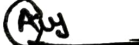
REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
11	11.2 Providing and making 12mm thick cement plaster of mix:				
	2.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	367.25	96.50	35,439.62
12	12.2 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	3.3 In Cement Mortar 1:5 (1 cement : 5 fine sand)	sqm	133.95	113.00	15,136.35
13	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.	sqm	808.19	94.50	76,373.96
14	14.16 Painting exterior surface with PREMIUM ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:				
	6.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	808.19	74.50	60,210.16
15	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.	kg	322.56	67.50	21,772.80
16	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 priming coat of red oxide zinc chromate primer.	kg	370.44	75.00	27,783.00
17	8.149 Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm $\pm$ 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws.				
	9.2 30 mm thick door shutters with styles and rails of size 60x30 mm	sqm	11.52	2488.00	28,661.76
18	9.59 Extra for providing and fixing reflective glass panes in aluminium door, window, ventilator shutters and partitions instead of float glass.				
	9.3 6 mm thickness	sqm	11.52	353.00	4,066.56
19	9.11 Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.	sqm	6.30	3330.00	20,979.00
20	14.22 Painting on new work (two or more coats) to give an even shade with:				
	2.1 Satin synthetic enamel paint	sqm	39.06	55.00	2,148.30
21	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).				
	6.3 Granite stone lakha red/ shahi red	sqm	25.76	4273.00	110,072.48
22	12.13 Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours 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				



SN	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
		pigments etc. complete.				
	3.1	Size 600x600mm	sqm	211.2	1151.00	243,091.20
23	12.10	Providing and laying rectified ceramic glazed floor tiles of size 300x300mm and above conforming to IS : 15622 of approved make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.				
	0.2	Size above 300x300mm	sqm	26.3	905.00	23,801.50
24	18.1	Providing and fixing water closet squatting pan (Indian type W.C. pan ), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
	1.1	White Long pattern W.C. pan of size 580 mm	each	1.00	2459.00	2,459.00
25	18.4	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required :				
	4.1	White pedestal type	each	1.00	2882.00	2,882.00
26	18.13	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete:				
	3.1	Flat back half stall urinal of size 460x380x250mm	each	2.00	1776.00	3,552.00
	3.3	Wall corner type urinal of sizes 340x410x265mm	each	2.00	1659.00	3,318.00
27	18.17	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required :				
	7.2	White Size 550x400 mm	each	4.00	1408.00	5,632.00
28	18.25	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	5.1	32 mm dia	each	4.00	68.50	274.00
29	18.26	Providing and fixing PVC waste coupling in wash basin/ sink.				
	6.2	40 mm	each	4.00	61.00	244.00
30	18.30	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
	0.1	5mm thick mirror	sqm	4.00	2016.00	8,064.00
31	18.76	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.				
	6.2	110 mm dia pipe.	metre	18.00	267.00	4,806.00
32	18.77	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
	7.1	Tee/ Tee with door/ Bend 45° / Bend 90°				
	1.2	110 mm	each	4.00	154.00	616.00
	7.2	Double "Y" with or without door				
	2.2	110 mm	each	4.00	224.00	896.00

SN	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	7.3	Vent cover				
	3.2	110 mm	each	4.00	44.00	176.00
	7.4	Access door cap				
	2	110 mm	each	4.00	59.00	236.00
	7.6	Nahani trap 110x75mm	each	4.00	90.50	362.00
33	19.5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. CONCEALED WORK including cutting chases and making good the walls etc.,				
	5.2	20 mm nominal outer dia .Pipes.	metre	100.00	167.00	16,700.00
	5.3	25 mm nominal outer dia .Pipes.	metre	80.00	213.00	17,040.00
34	19.42	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	LTR	1000.00	7.30	7,300.00

**As per Estimate Amount Rs. 2,347,433.8**  
**FOR ELECTRICAL WORK Add Above 6.5 % 152,583.2**  
**Grand Total Rs. 2,500,017.0**  
**Say Rs.**

  
 Sub Engineer  
 Nagar Palik Nigam  
 Korba (C.G.)

  
 Assistant Engineer  
 Nagar Palik Nigam  
 Korba (C.G.)