

Detailed Estimate

OD/363/3475/119860/428553/00069473 : Const. of Bhoga Mandap at Kurumuli
Block : Laxmipur, Gram Panchayat : Kusumguda
Created By: GIRIJA SANKAR PATI

1. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLOUMN	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	WALL FOUND.	2.000	5.440	0.350	0.150	0.000	0.571	-
iii		2.000	4.040	0.350	0.150	0.000	0.424	-
iv	STEP	1.000	2.100	0.750	0.150	0.000	0.236	-
v	PLINTH	1.000	5.440	4.040	0.750	0.000	16.483	-
Total Quantity					18.57885 cum (cum)		18.57885 Cum (Cubic Meter)	
Amount					18.57885 X 810.871632		15065.06	
2. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside								
12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOM INSIDE	2.000	5.440	0.000	1.800	0.000	19.584	-
ii		2.000	4.040	0.000	1.800	0.000	14.544	-
iii	DOOR	1.000	2.100	0.000	0.900	0.500	-	0.945
Total Quantity					33.183 Sqm (Sqm)		33.183 Sqm (Square Meter)	

Amount						33.183 X 171.37561628	5686.76	
3. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.								
16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOM OUTSIDE	2.000	5.900	0.000	1.800	0.000	21.240	-
ii		2.000	4.500	0.000	1.800	0.000	16.200	-
iii	GATER	1.000	2.100	0.000	0.900	0.500	-	0.945
Total Quantity					36.495 Sqm (Sqm)		36.495 Sqm (Square Meter)	
Amount						36.495 X 245.9327376	8975.32	
4. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc								
Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLOUMN BASE	4.000	0.450	0.000	0.300	4.000	2.160	-
ii	WALL FOUND. AND PLINTH BEAM	2.000	5.900	0.000	0.750	0.000	8.850	-
iii		2.000	5.440	0.000	0.750	0.000	8.160	-
iv		2.000	4.500	0.000	0.750	0.000	6.750	-
v		2.000	4.040	0.000	0.750	0.000	6.060	-
Total Quantity					31.98 Sqm (Sqm)		31.98 Sqm (Square Meter)	
Amount						31.98 X 216.23489289764	6915.19	

5. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLOUMN	4.000	0.230	0.000	0.600	4.000	2.208	-
ii		4.000	0.230	0.000	2.400	4.000	8.832	-
iii	WALL BEAM	2.000	5.900	0.000	0.300	0.000	3.540	-
iv		2.000	5.440	0.000	0.300	0.000	3.264	-
v		2.000	4.500	0.000	0.300	0.000	2.700	-
vi		2.000	4.040	0.000	0.300	0.000	2.424	-
Total Quantity					22.968 Sqm (Sqm)		22.968 Sqm (Square Meter)	
Amount					22.968 X 1047.3822930467		24056.28	

6. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	LINTEL	2.000	5.900	0.000	0.350	0.000	4.130	-
ii		2.000	5.440	0.000	0.350	0.000	3.808	-
iii		2.000	4.500	0.000	0.350	0.000	3.150	-
iv		2.000	4.040	0.000	0.350	0.000	2.828	-
Total Quantity					13.916 Sqm (Sqm)		13.916 Sqm (Square Meter)	
Amount					13.916 X 499.15267251462		6946.21	

7. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	CHAJJA	2.000	4.500	0.450	0.000	0.000	4.050	-
ii		2.000	6.800	0.450	0.000	0.000	6.120	-
iii	SLAB	1.000	6.200	4.800	0.000	0.000	29.760	-
Total Quantity					39.93 Sqm (Sqm)		39.93 Sqm (Square Meter)	
Amount					39.93 X 662.689943368		26461.21	

8. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	RCC QTY	1.000	11.230	1.000	0.000	1.200	13.476	-
Total Quantity					13.476 Qntl (Quintal)		13.476 Qntl (Quintal)	
Amount					13.476 X 8444.9012739		113803.49	

9. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOM	2.000	9.480	0.150	0.000	0.000	2.844	-
ii	STEP	1.000	2.100	0.600	0.000	0.000	1.260	-

Total Quantity	4.104 Sqm (Sqm)	4.104 Sqm (Square Meter)
Amount	4.104 X 1529.414170257	6276.72

10. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLOUMN	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	FLOOR	1.000	5.440	4.040	0.100	0.000	2.198	-
iii	STEP	1.000	2.100	0.750	0.150	0.000	0.236	-
iv	WALL FOUND.BGL	2.000	5.210	0.350	0.450	0.000	1.641	-
v		2.000	4.040	0.350	0.450	0.000	1.273	-
vi	WALL FOUND.AGL	2.000	5.210	0.350	0.450	0.000	1.641	-
vii		2.000	4.040	0.350	0.450	0.000	1.273	-
viii	FRONT	1.000	4.500	1.200	0.100	0.000	0.540	-

Total Quantity	9.66551 cum (cum)	9.66551 Cum (Cubic Meter)
Amount	9.66551 X 5392.187596	52118.24

11. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaicon and direction of Engineer-in charge. (new work)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOF	1.000	6.200	4.800	0.000	0.000	29.760	-

Total Quantity	29.76 Sqm (Sqm)	29.76 Sqm (Square Meter)
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Amount					29.76 X 353.56554799	10522.11		
12. Plastering (AR1008) : 20mm thick cement Plaster in CM (1:6) over brick work in inside.								
20mm thick cement Plaster in CM (1:6) for stone work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PLINTH	1.000	21.680	0.000	0.600	0.000	13.008	-
Total Quantity					13.008 Sqm (Sqm)		13.008 Sqm (Square Meter)	
Amount					13.008 X 257.8075298	3353.56		
13. R.C.C. Work (AR0404B) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).								
R.C.C. work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge(Nominal mix as per IS-456, Table-9).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLOUMN BASE	4.000	1.200	1.200	0.300	0.000	1.728	-
ii		4.000	0.450	0.450	0.450	0.000	0.365	-
iii		4.000	0.230	0.230	0.600	0.000	0.127	-
iv		4.000	0.230	0.230	2.400	0.000	0.508	-
v	PL. BEAM	2.000	5.900	0.230	0.350	0.000	0.950	-
vi		2.000	4.040	0.230	0.350	0.000	0.650	-
vii	LINTEL BEAM	2.000	5.900	0.230	0.350	0.000	0.950	-
viii		2.000	4.040	0.230	0.350	0.000	0.650	-
ix	WALL BEAM	2.000	5.900	0.230	0.350	0.000	0.950	-
x		2.000	4.040	0.230	0.350	0.000	0.650	-

xi	CHAJJA	2.000	6.800	0.450	0.075	0.000	0.459	-
xii		2.000	4.500	0.450	0.075	0.000	0.304	-
xiii	SLAB	1.000	6.200	4.800	0.113	0.000	3.363	-
Total Quantity					11.65395 cum (cum)		11.65395 Cum (Cubic Meter)	
Amount					11.65395 X 5801.26873228		67607.70	

14. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL FOUND.	2.000	4.980	0.230	1.200	0.000	2.749	-
ii		2.000	4.040	0.230	1.200	0.000	2.230	-
iii	STEP	1.000	2.100	0.750	0.150	0.000	0.236	-
iv		1.000	2.100	0.300	0.150	0.000	0.095	-
v	GATE	1.000	2.100	0.230	0.900	0.000	-	0.435
Total Quantity					4.87509 cum (cum)		4.87509 Cum (Cubic Meter)	
Amount					4.87509 X 5085.9191552		24794.31	

15. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	FLOOR	1.000	5.440	4.040	0.000	0.000	21.978	-

ii	STEP	1.000	2.100	0.750	0.000	0.000	1.575	-
Total Quantity					23.5526 Sqm (Sqm)		23.5526 Sqm (Square Meter)	
Amount					23.5526 X 1009.215132737		23769.64	
16. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)								
Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	CEILING	1.000	5.440	4.040	0.000	0.000	21.978	-
ii	12MM PLASTER AREA	1.000	33.180	1.000	0.000	0.000	33.180	-
iii	16MM PLASTEER AREA	1.000	36.490	1.000	0.000	0.000	36.490	-
iv	20MM PLASTER AREA	1.000	13.010	1.000	0.000	0.000	13.010	-
Total Quantity					104.6576 Sqm (Sqm)		104.6576 Sqm (Square Meter)	
Amount					104.6576 X 71.83955056271		7518.55	
17. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)								
Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	PRIMING AREA	1.000	104.650	1.000	0.000	0.000	104.650	-
Total Quantity					104.65 Sqm (Sqm)		104.65 Sqm (Square Meter)	

Amount							104.65 X 94.763136375	9916.96
18. Earth Work (AR0103aa) : Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m								
Earthwork in stoney earth and gravels mixed with stone and boulder not exceeding 0.014cum in volume in foundation and plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layer not exceeding 0.3m in depth and as per specification approved by the department								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	BED LEVEL	1.000	7.000	6.000	0.300	0.000	12.600	-
ii	COLOUMN	4.000	1.200	1.200	1.200	0.000	6.912	-
iii	WALL FOUND.	2.000	4.470	0.350	0.600	0.000	1.877	-
iv		2.000	3.070	0.350	0.600	0.000	1.289	-
v	STEP	1.000	2.100	0.750	0.300	0.000	0.473	-
Total Quantity					23.1513 cum (cum)		23.1513 Cum (Cubic Meter)	
Amount							23.1513 X 375.4984464	8693.28
19. Plastering (AR1033) : White washing two coats with stone lime in any surface								
White washing two coats with stone lime in any surface including all costs of labour, coaltar and brushes required for the work etc. complete and as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PRIMING AREA	1.000	104.650	1.000	0.000	0.000	104.650	-
Total Quantity					104.65 Sqm (Sqm)		104.65 Sqm (Square Meter)	
Amount							104.65 X 35.240277075269	3687.89
20. Iron Work (AR1704) : Iron Doors and windows fixing								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	GATE	1.000	45.000	1.000	0.000	0.000	45.000	-
Total Quantity					45 Kg (Kilo Gram)		0.45 Qntl (Quintal)	
Amount					0.45 X 15786.926825087		7104.12	
Total Amount							433272.60	
Addition								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @							5000.00	
Provision for Contingency (+) @							9000.00	
Provision for EI Work (+) @								
Provision for PH Work (+) @								
Any Other Lumpsum (+) @							2727.00	
Total Addition							16727.00	
Grand Net Total Amount							449999.60	

GIRIJA SANKAR PATI
JE
Laxmipur Block

MUVALA PAWAN KUMAR
AEE
Laxmipur Block

SABYASACHI BEHERA
BDO
Laxmipur Block