

Detailed Estimate

OD/369/3538/275134/408578/00071352 : Const. of Community hall at Senapati Sahi Jogamaya Temple
Block : Delanga, Gram Panchayat : Khelaur
Created By: LOPAMUDRA PATI

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Coulmn	6.000	1.350	1.350	1.350	0.000	14.762	-
ii	L wall	3.000	4.300	0.750	0.750	0.000	7.256	-
iii	Swall-1	2.000	1.600	0.750	0.750	0.000	1.800	-
iv	swall-2	2.000	4.850	0.750	0.750	0.000	5.456	-
v	Step	1.000	1.500	1.000	0.300	0.000	0.450	-
vi	deduct coulmn footing	-6.000	1.350	0.750	0.750	0.000	-4.556	-
Total Quantity					25.1685 cum (cum)		25.1685 Cum (Cubic Meter)	
Amount					25.1685 X 240.77592		6059.97	
2. 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	Coulmn	6.000	1.350	1.350	0.150	0.000	1.640	-
ii	L wall	3.000	4.300	0.750	0.150	0.000	1.451	-
iii	swall-	2.000	1.600	0.750	0.150	0.000	0.360	-
iv	swall-2	2.000	4.850	0.750	0.150	0.000	1.091	-

v	step	1.000	1.500	1.000	0.100	0.000	0.150	-
vi	Deduct coulumn	-6.000	1.350	0.750	0.150	0.000	-0.911	-
vii	filling	1.000	3.300	2.100	1.100	0.000	7.623	-
viii		1.000	3.300	5.350	1.100	0.000	19.421	-
ix	Approach to c.hall	1.000	2.500	3.000	0.100	0.000	0.750	-
Total Quantity					31.575 cum (cum)		31.575 Cum (Cubic Meter)	
Amount					31.575 X 605.053832		19104.57	

3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

Cement concrete (1:3:6) with 4 cm. hard granite(Crusher 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	coulmn	6.000	1.350	1.350	0.150	0.000	1.640	-
ii	Lwall	3.000	4.300	0.750	0.150	0.000	1.451	-
iii	swall-1	2.000	1.600	0.750	0.150	0.000	0.360	-
iv	swall-2	2.000	4.850	0.750	0.150	0.000	1.091	-
v	step	1.000	1.500	1.000	0.100	0.000	0.150	-
vi	Deduct coulumn	-6.000	1.350	0.750	0.150	0.000	-0.911	-
vii	flooring	1.000	3.300	2.100	0.100	0.000	0.693	-
viii		1.000	3.300	5.350	0.100	0.000	1.766	-
ix	Approach to c.hall	1.000	2.500	3.000	0.100	0.000	0.750	-
Total Quantity					6.99 cum (cum)		6.99 Cum (Cubic Meter)	
Amount					6.99 X 5991.97649394		41883.92	

4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	1st footing	3.000	4.050	0.500	0.180	0.000	1.094	-
ii		2.000	1.850	0.500	0.180	0.000	0.333	-
iii		2.000	5.100	0.500	0.180	0.000	0.918	-
iv	2nd footing	3.000	3.930	0.380	0.180	0.000	0.806	-
v		2.000	1.970	0.380	0.180	0.000	0.269	-
vi		2.000	5.220	0.380	0.180	0.000	0.714	-
vii	3r footing	3.000	3.800	0.250	0.900	0.000	2.565	-
viii		2.000	2.100	0.250	0.900	0.000	0.945	-
ix		2.000	5.350	0.250	0.900	0.000	2.408	-
x	Step	1.000	1.500	1.000	0.250	0.000	0.375	-
xi		1.000	1.500	0.750	0.250	0.000	0.281	-
xii		1.000	1.500	0.500	0.180	0.000	0.135	-
xiii		1.000	1.500	0.250	0.180	0.000	0.068	-
xiv	deduct coulmn footing	-6.000	0.380	0.250	0.360	0.000	-0.205	-
xv		-6.000	0.250	0.250	0.900	0.000	-0.338	-
Total Quantity					10.368078 cum (cum)		10.368078 Cum (Cubic Meter)	
Amount					10.368078 X 5196.292944192		53875.57	

5. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	coulmn base	6.000	1.350	1.350	0.300	0.000	3.281	-
ii		6.000	0.750	0.750	0.300	0.000	1.013	-
iii	Up to GL	6.000	0.380	0.250	0.450	0.000	0.257	-
Total Quantity					4.5495 cum (cum)		4.5495 Cum (Cubic Meter)	
Amount					4.5495 X 6533.6670360603		29724.92	

6. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L wall	3.000	3.800	0.250	0.250	0.000	0.713	-
ii	swall	2.000	2.100	0.250	0.250	0.000	0.263	-
iii	swall-2	2.000	5.350	0.250	0.250	0.000	0.669	-
Total Quantity					1.64375 cum (cum)		1.64375 Cum (Cubic Meter)	
Amount					1.64375 X 7290.489161202		11983.74	

7. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	coulmn from gl to RL	6.000	0.250	0.250	3.600	0.000	1.350	-
ii	Beam	2.000	3.800	0.250	0.150	0.000	0.285	-
iii		2.000	2.100	0.250	0.150	0.000	0.158	-
iv		2.000	5.350	0.250	0.300	0.000	0.803	-
v		1.000	3.800	0.250	0.300	0.000	0.285	-
vi	cantilver beam	2.000	0.750	0.250	0.300	0.000	0.113	-
Total Quantity					2.9925 cum (cum)		2.9925 Cum (Cubic Meter)	
Amount					2.9925 X 14589.42042338		43658.84	

8. R.C.C. Work (AR0404Ad) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L wall	2.000	3.800	0.250	0.150	0.000	0.285	-
ii		2.000	2.100	0.250	0.150	0.000	0.158	-
Total Quantity					0.4425 cum (cum)		0.4425 Cum (Cubic Meter)	
Amount					0.4425 X 13197.951264591		5840.09	

9. R.C.C. Work (AR0404Ag) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	roof slab	1.000	4.400	9.100	0.125	0.000	5.005	-
Total Quantity					5.005 cum (cum)		5.005 Cum (Cubic Meter)	
Amount					5.005 X 12835.55144045		64241.93	

10. 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		1.000	1.000	1.000	14.120	0.000	14.120	-
Total Quantity					14.12 Qntl (Quintal)		14.12 Qntl (Quintal)	
Amount					14.12 X 7951.0234545		112268.45	

11. 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	inside wall	2.000	3.300	0.000	3.150	0.000	20.790	-
ii		2.000	2.100	0.000	3.150	0.000	13.230	-
iii	Deduction for oor opening	-0.500	1.200	0.000	2.100	0.000	-1.260	-
iv	Asthana	1.000	4.500	0.000	1.200	0.000	5.400	-
v		1.000	2.100	0.000	1.200	0.000	2.520	-
Total Quantity					40.68 Sqm (Sqm)		40.68 Sqm (Square Meter)	

Amount				40.68 X 249.161323598			10135.88	
12. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ceiling	1.000	3.300	2.100	0.000	0.000	6.930	-
ii		1.000	3.300	5.350	0.000	0.000	17.655	-
iii	coulmn	2.000	1.000	2.700	0.000	0.000	5.400	-
iv	cornice	1.000	4.400	0.275	0.000	0.000	1.210	-
v		1.000	4.400	0.875	0.000	0.000	3.850	-
vi		2.000	9.100	0.425	0.000	0.000	7.735	-
Total Quantity					42.78 Sqm (Sqm)		42.78 Sqm (Square Meter)	
Amount				42.78 X 191.7027590392			8201.04	
13. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	3.800	0.000	4.350	0.000	16.530	-
ii		2.000	2.600	0.000	4.350	0.000	22.620	-
iii		2.000	5.600	0.000	1.200	0.000	13.440	-
iv		1.000	2.300	0.000	1.200	0.000	2.760	-
v		1.000	3.800	0.000	3.150	0.000	11.970	-
vi	Ddeduction for door	-0.500	1.200	0.000	2.100	0.000	-1.260	-

Total Quantity	66.06 Sqm (Sqm)	66.06 Sqm (Square Meter)
Amount	66.06 X 174.0654663388	11498.76

14. 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	3.300	2.100	0.000	0.000	6.930	-
ii		1.000	3.800	5.600	0.000	0.000	21.280	-
iii		1.000	1.200	0.250	0.000	0.000	0.300	-
iv	step	1.000	1.500	1.500	0.000	0.000	2.250	-
v	deduct coulmn	-2.000	0.250	0.250	0.000	0.000	-0.125	-

Total Quantity	30.635 Sqm (Sqm)	30.635 Sqm (Square Meter)
Amount	30.635 X 1011.6999895194	30993.43

15. Flooring (AR0817bb) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in wall cladding/ glazed tiles 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 Coloured /Printed series(Homogeneous) in wall cladding/ glazed tiles 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	in side wall	2.000	3.300	0.000	2.100	0.000	13.860	-
ii		2.000	2.100	0.000	2.100	0.000	8.820	-
iii		1.000	3.800	0.000	0.100	0.000	0.380	-
iv		1.000	5.700	0.000	0.150	0.000	0.855	-
v	coulmn	2.000	1.000	0.000	2.700	0.000	5.400	-

vi	Deduct door	-1.000	1.200	0.000	2.100	0.000	-2.520	-	
vii	Asthana	1.000	4.500	0.000	1.200	0.000	5.400	-	
viii		1.000	2.100	0.000	1.200	0.000	2.520	-	
Total Quantity					34.715 Sqm (Sqm)		34.715 Sqm (Square Meter)		
Amount					34.715 X 1175.268136786		40799.43		

16. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	inside wall	2.000	3.300	0.000	1.050	0.000	6.930	-	
ii		2.000	2.100	0.000	1.050	0.000	4.410	-	
iii	ceiling	1.000	3.300	2.100	0.000	0.000	6.930	-	
iv		1.000	3.300	5.350	0.000	0.000	17.655	-	
v	cornice	1.000	4.400	0.275	0.000	0.000	1.210	-	
vi		1.000	4.400	0.875	0.000	0.000	3.850	-	
vii	front door si skirting	2.000	9.100	0.425	0.000	0.000	7.735	-	
Total Quantity					48.72 Sqm (Sqm)		48.72 Sqm (Square Meter)		
Amount					48.72 X 79.21834		3859.52		

17. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork

Priming one coat in inner surface with primer of approved quality over woodwork 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	insi wall	2.000	3.300	0.000	1.050	0.000	6.930	-

ii		2.000	2.100	0.000	1.050	0.000	4.410	-
iii	ceiling	1.000	3.300	2.100	0.000	0.000	6.930	-
iv		1.000	3.300	5.350	0.000	0.000	17.655	-
Total Quantity					35.925 Sqm (Sqm)		35.925 Sqm (Square Meter)	
Amount					35.925 X 69.73850599121		2505.36	

18. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

Priming one coat with outer 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	out side wall	1.000	3.800	0.000	4.350	0.000	16.530	-
ii		2.000	2.600	0.000	4.350	0.000	22.620	-
iii		2.000	5.600	0.000	1.200	0.000	13.440	-
iv		1.000	2.300	0.000	1.200	0.000	2.760	-
v		1.000	3.800	0.000	3.050	0.000	11.590	-
vi		-0.500	1.200	0.000	2.000	0.000	-1.200	-
vii	cornice	1.000	4.400	0.275	0.000	0.000	1.210	-
viii		1.000	4.400	0.875	0.000	0.000	3.850	-
ix		2.000	9.100	0.425	0.000	0.000	7.735	-
x	beam	2.000	5.350	0.850	0.000	0.000	9.095	-
xi		1.000	3.300	0.850	0.000	0.000	2.805	-
xii		2.000	0.750	0.850	0.000	0.000	1.275	-
Total Quantity					91.71 Sqm (Sqm)		91.71 Sqm (Square Meter)	
Amount					91.71 X 72.849606979355		6681.04	

19. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	3.300	0.000	1.050	0.000	6.930	-
ii		2.000	2.100	0.000	1.050	0.000	4.410	-
iii		1.000	3.300	2.100	0.000	0.000	6.930	-
iv		1.000	3.300	5.350	0.000	0.000	17.655	-
Total Quantity					35.925 Sqm (Sqm)		35.925 Sqm (Square Meter)	
Amount					35.925 X 94.7526285875		3403.99	

20. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer 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	outs wall	1.000	3.800	0.000	4.350	0.000	16.530	-
ii		1.000	2.600	0.000	4.350	0.000	11.310	-
iii		2.000	5.600	0.000	1.200	0.000	13.440	-
iv		1.000	2.300	0.000	1.200	0.000	2.760	-
v		1.000	3.800	0.000	3.050	0.000	11.590	-
vi		-1.000	1.200	0.000	2.000	0.000	-2.400	-
vii	cornice	1.000	4.400	0.275	0.000	0.000	1.210	-
viii		1.000	4.400	0.875	0.000	0.000	3.850	-
ix		2.000	8.200	0.425	0.000	0.000	6.970	-
Total Quantity					65.26 Sqm (Sqm)		65.26 Sqm (Square Meter)	

Amount		65.26 X 57.0910986525					3725.77	
21. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² 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	I wall	2.000	3.300	0.250	2.850	0.000	4.703	-
ii		2.000	2.100	0.250	2.850	0.000	2.993	-
iii	Asthana	1.000	2.100	1.000	1.300	0.000	2.730	-
iv		1.000	2.100	0.250	1.200	0.000	0.630	-
v		-1.000	1.200	0.250	2.100	0.000	-0.630	-
Total Quantity					10.425 cum (cum)		10.425 Cum (Cubic Meter)	
Amount		10.425 X 5229.622944192					54518.82	
22. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Approach to c.hall	1.000	2.500	3.000	0.075	0.000	0.563	-
Total Quantity					0.5625 cum (cum)		0.5625 Cum (Cubic Meter)	
Amount		0.5625 X 7485.92009878					4210.83	
Total Amount							569175.88	
Addition								
Provision for PH Work (+) @								

Provision for EI Work (+) @	35000.00
Provision for Contingency (+) @	6268.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	11300.00
Provision for survey investigation and quality control (+) @	
Total Addition	57568.00
Grand Net Total Amount	626743.88

LOPAMUDRA PATI
JE
Delanga Block

SUBRAT KUMAR BARIK
AEE
Delanga Block

PuriDelangaBDO
BDO
Delanga Block