

Detailed Estimate

OD/356/3401/118454/400803/00066919 : RENOVATION OF GOPINATH JEW COMMUNITY CENTER

Block : Korei, Gram Panchayat : Mulapal

Created By: Bijay Kumar Nayak

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	Col	4.000	4.000	4.000	4.000	0.000	256.000	-
ii	LW	2.000	16.830	2.000	1.000	0.000	67.320	-
iii	SW	2.000	16.830	2.000	1.000	0.000	67.320	-
iv	Step	1.000	4.000	2.000	1.000	0.000	8.000	-
v	Deduct (Col)	4.000	4.000	2.000	1.000	0.000	-	32.000
Total Quantity					366.64 Cft (Cubic Foot)		10.382071552 Cum (Cubic Meter)	
Amount					10.382071552 X 240.77592		2499.75	
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	Col	4.000	4.000	4.000	0.500	0.000	32.000	-
ii	LW	2.000	16.830	2.000	0.500	0.000	33.660	-
iii	SW	2.000	16.830	2.000	0.500	0.000	33.660	-
iv	Step	1.000	4.000	2.000	0.500	0.000	4.000	-

v	Plinth filling	1.000	16.000	16.000	1.000	0.000	256.000	-	
vi	Foundtion filling	1.000	128.000	0.000	0.000	0.000	128.000	-	
vii	Deduct(col)	4.000	4.000	2.000	0.500	0.000	-	16.000	
Total Quantity					471.32 Cft (Cubic Foot)		13.346274176 Cum (Cubic Meter)		
Amount					13.346274176 X 751.847232		10034.36		

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	Col	4.000	4.000	4.000	0.500	0.000	32.000	-	
ii	LW	2.000	16.830	2.000	0.500	0.000	33.660	-	
iii	SW	2.000	16.830	2.000	0.500	0.000	33.660	-	
iv	Step	1.000	4.000	2.000	0.500	0.000	4.000	-	
v	Room	1.000	16.000	16.000	0.330	0.000	84.480	-	
vi	Deduct col	4.000	4.000	2.000	0.500	0.000	-	16.000	
Total Quantity					171.8 Cft (Cubic Foot)		4.86482624 Cum (Cubic Meter)		
Amount					4.86482624 X 6015.07846836		29262.31		

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	WALL	1.000	67.320	2.000	0.500	0.000	67.320	-
ii	Upto Plinth	1.000	67.320	0.830	1.500	0.000	83.813	-
iii	Step	1.000	4.000	2.000	1.000	0.000	8.000	-
iv		1.000	4.000	1.000	1.000	0.000	4.000	-
v	Deduct(Col)	8.000	0.830	0.830	2.000	0.000	-	11.022
Total Quantity					152.111 Cft (Cubic Foot)		4.3072967648 Cum (Cubic Meter)	
Amount					4.3072967648 X 5003.979051848		21553.62	

5. 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	LW	2.000	16.830	0.830	3.000	0.000	83.813	-
ii	SW	2.000	16.830	0.830	3.000	0.000	83.813	-
iii	Deduct (Col)	8.000	0.830	0.830	3.000	0.000	-	16.534
iv	D	1.000	4.000	0.830	3.000	0.000	-	9.960
Total Quantity					141.1332 Cft (Cubic Foot)		3.99644059776 Cum (Cubic Meter)	
Amount					3.99644059776 X 4964.012038848		19838.38	

6. 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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col base	4.000	4.000	4.000	1.000	0.000	64.000	-
ii	Upto plinth	4.000	0.830	0.830	5.000	0.000	13.778	-
iii	Extra Col	4.000	0.830	0.830	2.000	0.000	5.511	-
Total Quantity					83.2892 Cft (Cubic Foot)		2.35848361856 Cum (Cubic Meter)	
Amount					2.35848361856 X 6563.2654358637		15479.35	

7. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth band	4.000	16.830	0.830	0.830	0.000	46.377	-
Total Quantity					46.376748 Cft (Cubic Foot)		1.3132410977664 Cum (Cubic Meter)	
Amount					1.3132410977664 X 7320.0875610054		9613.04	

8. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	COL	8.000	0.830	0.830	10.000	0.000	55.112	-
ii	BEAM	4.000	16.830	0.830	1.000	0.000	55.876	-
iii		2.000	16.830	0.830	1.000	0.000	27.938	-

Total Quantity	138.9254 Cft (Cubic Foot)	3.93392276672 Cum (Cubic Meter)
Amount	3.93392276672 X 14619.018823184	57510.09

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	18.660	18.660	0.330	0.000	114.905	-
Total Quantity					114.904548 Cft (Cubic Foot)		3.2537291048064 Cum (Cubic Meter)	
Amount					3.2537291048064 X 12865.149840254		41859.71	

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	Sum of all RCC items	1.000	10.720	0.000	0.000	0.900	9.648	-
Total Quantity					9.648 Qntl (Quintal)		9.648 Qntl (Quintal)	
Amount					9.648 X 8438.6943795		81416.52	

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	wall (inside)	4.000	16.830	0.000	3.000	0.000	201.960	-

ii	Deduct (D)	1.000	4.000	0.000	3.000	0.500	-	6.000
Total Quantity					195.96 Sft (Square Foot)		18.20527188 Sqm (Square Meter)	
Amount					18.20527188 X 244.703326412		4454.89	
12. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.								
12mm thick cement plster (1:6) over Brick work in outside 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	wall(outside)	4.000	16.830	0.000	5.000	0.000	336.600	-
ii	Deduct(D)	1.000	4.000	0.000	3.000	0.500	-	6.000
Total Quantity					330.6 Sft (Square Foot)		30.7137318 Sqm (Square Meter)	
Amount					30.7137318 X 170.3512507672		5232.12	
13. Painting (AR0901dik) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces (outer surface)(For repair and maintenance) .								
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(For repair and maintenance).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall (inside)	4.000	16.830	0.000	3.000	0.000	201.960	-
ii	Outside	4.000	16.830	0.000	5.000	0.000	336.600	-
iii	Col	8.000	3.330	0.000	7.000	0.000	186.480	-
iv	Deduct (D)	1.000	4.000	0.000	3.000	0.000	-	12.000
Total Quantity					713.04 Sft (Square Foot)		66.24355512 Sqm (Square Meter)	
Amount					66.24355512 X 73.710682283871		4882.86	

14. Painting (AR0920k) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)(For Repair and maintenance)

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)(For Repair and maintenance)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall (inside)	4.000	16.830	0.000	3.000	0.000	201.960	-
ii	Ceiling	1.000	16.000	16.000	0.000	0.000	256.000	-
iii	Deduct (D)	1.000	4.000	0.000	3.000	0.500	-	6.000
Total Quantity					451.96 Sft (Square Foot)		41.98843988 Sqm (Square Meter)	
Amount					41.98843988 X 96.027979575		4032.07	

15. Painting (AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside)

Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall(outside)	4.000	16.830	0.000	5.000	0.000	336.600	-
ii	Col	8.000	3.330	0.000	7.000	0.000	186.480	-
iii	Deduct(D)	1.000	4.000	0.000	3.000	0.500	-	6.000
Total Quantity					517.08 Sft (Square Foot)		48.03828324 Sqm (Square Meter)	
Amount					48.03828324 X 156.64507673771		7524.96	

16. 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	Room	1.000	16.000	16.000	0.000	0.000	256.000	-
ii	Verandah	1.000	20.000	15.000	0.000	0.000	300.000	-
iii	Deduct(Col)	2.000	1.250	1.000	0.000	0.000	-	2.500
Total Quantity					553.5 Sft (Square Foot)		51.4218105 Sqm (Square Meter)	
Amount					51.4218105 X 1007.4480793186		51804.80	

17. Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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 Coloured /Printed series(Homogeneous) 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	1.000	64.000	0.000	0.500	0.000	32.000	-
ii	Ver	1.000	10.000	0.000	0.500	0.000	5.000	-
iii	Col	2.000	4.000	0.000	0.500	0.000	4.000	-
iv	col(temple)	2.000	4.500	0.000	2.500	0.000	22.500	-
v	Deduct(D)	1.000	4.000	0.000	0.500	0.000	-	2.000
Total Quantity					61.5 Sft (Square Foot)		5.7135345 Sqm (Square Meter)	
Amount					5.7135345 X 1566.452238807		8949.98	

18. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring

Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Verandah	1.000	20.000	15.000	0.000	0.000	300.000	-	
ii	Col	2.000	4.500	0.000	2.500	0.000	22.500	-	
iii	Ded(col)	2.000	1.250	1.000	0.000	0.000	-	2.500	
Total Quantity					320 Sft (Square Foot)		29.72896 Sqm (Square Meter)		
Amount					29.72896 X 100.34838709677		2983.25		

19. Painting (AR0901c) : Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality oil-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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Temple	1.000	20.000	0.000	10.000	0.000	200.000	-	
ii	Ded(D)	1.000	3.500	0.000	6.500	0.000	-	22.750	
iii		1.000	6.000	0.000	6.500	0.000	-	39.000	
iv	Ceiling	1.000	20.000	8.000	0.000	0.000	160.000	-	
Total Quantity					298.25 Sft (Square Foot)		27.70831975 Sqm (Square Meter)		
Amount					27.70831975 X 68.99486536271		1911.73		

20. 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	Temple	1.000	20.000	0.000	10.000	0.000	200.000	-
ii	Ded(D)	1.000	3.500	0.000	6.500	0.000	-	22.750
iii		1.000	6.000	0.000	6.500	0.000	-	39.000

iv	Ceiling	1.000	20.000	8.000	0.000	0.000	160.000	-
Total Quantity					298.25 Sft (Square Foot)		27.70831975 Sqm (Square Meter)	
Amount					27.70831975 X 94.763136375		2625.73	
21. Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1								
Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step(Tread)	2.000	4.000	1.000	0.000	0.000	8.000	-
Total Quantity					8 Sft (Square Foot)		0.743224 Sqm (Square Meter)	
Amount					0.743224 X 950.7130758308		706.59	
22. Flooring (AR0817ap) : Fixing Chequered Tiles in dados skirting and risers of steps on 12mm thick cement plaster (1:3)								
Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing complete including cost of precast tiles.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Step(Risers)	3.000	4.000	1.000	0.000	0.000	12.000	-
ii	Side	1.000	2.000	1.000	0.000	0.000	2.000	-
iii		1.000	1.000	1.000	0.000	0.000	1.000	-
Total Quantity					15 Sft (Square Foot)		1.393545 Sqm (Square Meter)	
Amount					1.393545 X 1086.10426255		1513.54	
23. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	8.000	3.330	0.000	6.000	0.000	159.840	-
ii	Ceiling	1.000	16.000	16.000	0.000	0.000	256.000	-
Total Quantity					415.84 Sft (Square Foot)		38.63278352 Sqm (Square Meter)	
Amount					38.63278352 X 189.3928249648		7316.77	
Total Amount							393006.44	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3930.06	
Display Citizen Board (+) @							3063.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							6993.06	
Grand Net Total Amount							399999.50	

Bijay Kumar Nayak
JE
Korei Block

SWAGAT KUMAR DASH
AEE
Korei Block

Abanikanta Sahoo
BDO
Korei Block