

Detailed Estimate

OD/370/3554/121217/424970/00077322 : CONSTRUCTION OF COMMUNITY HALL near PHD office at MUNIGUDA
Block : Muniguda, Gram Panchayat : Muniguda
Created By: AMBIKA PRASAH DASH

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	Column	8.000	4.500	4.500	4.500	0.000	729.000	-
ii	Wall	1.000	80.000	2.000	2.500	0.000	400.000	-
iii	Steps	1.000	4.000	4.500	1.000	0.000	18.000	-
iv	Ramp Wall	2.000	12.000	1.500	1.000	0.000	36.000	-
Total Quantity						1183 Cft (Cubic Foot)	33.4987744 Cum (Cubic Meter)	
Amount						33.4987744 X 240.77592	8065.70	
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	Column	8.000	4.500	4.500	0.500	0.000	81.000	-
ii	Wall	1.000	80.000	2.000	0.500	0.000	80.000	-
iii	Steps	1.000	4.000	4.500	0.500	0.000	9.000	-
iv	Ramp Wall	2.000	12.000	1.500	0.500	0.000	18.000	-
v	Ramp	1.000	12.000	2.340	1.000	0.000	28.080	-

vi	plinth Filling	1.000	387.000	0.000	1.500	0.000	580.500	-
vii	Foundation side filling 1/3 of item No 1	1.000	200.000	0.000	0.500	0.000	100.000	-
Total Quantity					896.58 Cft (Cubic Foot)		25.388276544 Cum (Cubic Meter)	
Amount					25.388276544 X 501.266232		12726.29	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	8.000	4.500	4.500	0.500	0.000	81.000	-
ii	Wall	1.000	80.000	2.000	0.500	0.000	80.000	-
iii	Steps	1.000	4.000	4.500	0.500	0.000	9.000	-
iv	Ramp Wall	2.000	12.000	1.500	0.330	0.000	11.880	-
v	Ramp	1.000	12.000	2.340	0.330	0.000	9.266	-
vi	Flooring	1.000	20.000	20.000	0.330	0.000	132.000	-
vii	1st Footing	1.000	80.000	1.660	0.580	0.000	77.024	-
viii	2nd	1.000	80.000	1.250	0.580	0.000	58.000	-
Total Quantity					458.1704 Cft (Cubic Foot)		12.97391958272 Cum (Cubic Meter)	
Amount					12.97391958272 X 5234.36231142		67910.20	

4. 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/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	10" Wall	1.000	80.000	0.830	8.500	0.000	564.400	-
ii	D	2.000	4.000	0.830	7.000	0.000	-	46.480
iii	W	2.000	3.500	0.830	4.500	0.000	-	26.145
iv	V	2.000	2.000	0.830	5.500	0.000	-	18.260
Total Quantity					473.515 Cft (Cubic Foot)		13.408429552 Cum (Cubic Meter)	
Amount					13.408429552 X 4949.120236056		66359.93	

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.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column Base	8.000	4.500	4.500	0.750	0.000	121.500	-
ii	Pedestal	8.000	2.000	2.000	2.000	0.000	64.000	-
Total Quantity					185.5 Cft (Cubic Foot)		5.2527664 Cum (Cubic Meter)	
Amount					5.2527664 X 5854.1753899599		30750.62	

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth band	1.000	80.000	0.830	0.830	0.000	55.112	-

Total Quantity	55.112 Cft (Cubic Foot)	1.5605954816 Cum (Cubic Meter)
Amount	1.5605954816 X 6610.9975151016	10317.09

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	8.000	0.830	1.250	12.000	0.000	99.600	-
ii	Beam	1.000	80.000	0.830	0.830	0.000	55.112	-
iii		2.000	20.000	0.830	0.300	0.000	9.960	-

Total Quantity	164.672 Cft (Cubic Foot)	4.6629840896 Cum (Cubic Meter)
Amount	4.6629840896 X 13909.92877728	64861.78

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	1.000	80.000	0.830	0.500	0.000	33.200	-

Total Quantity	33.2 Cft (Cubic Foot)	0.94011776 Cum (Cubic Meter)
Amount	0.94011776 X 12518.459618491	11768.83

9. R.C.C. Work (AR0404Af) : 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 Sun sheds & Chajja)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Chajja	1.000	20.000	2.000	0.000	0.000	40.000	-
ii		2.000	4.000	2.000	0.000	0.000	16.000	-
iii	W	2.000	4.500	2.000	0.000	0.000	18.000	-
Total Quantity					74 Sft (Square Foot)		6.874822 Sqm (Square Meter)	
Amount					6.874822 X 1074.4403403795		7386.59	

10. 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	21.000	21.000	0.420	0.000	185.220	-
Total Quantity					185.22 Cft (Cubic Foot)		5.244837696 Cum (Cubic Meter)	
Amount					5.244837696 X 12156.05979435		63756.56	

11. 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	Qty	1.000	17.650	0.000	1.100	0.000	19.415	-
Total Quantity					19.415 Qntl (Quintal)		19.415 Qntl (Quintal)	

Amount					19.415 X 8640.3140943	167751.70		
12. 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	Door	2.000	4.000	7.000	3.500	0.000	196.000	-
ii	Windoe	2.000	3.500	4.500	3.500	0.000	110.250	-
iii	V	2.000	2.000	2.000	1.000	0.000	8.000	-
Total Quantity					314.25 Kg (Kilo Gram)		3.1425 Qntl (Quintal)	
Amount					3.1425 X 15973.034273087		50195.26	
13. Plastering (AR1026i) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside 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	Ceiling Plaster	1.000	20.000	20.000	0.000	0.000	400.000	-
ii	Beam	4.000	20.000	1.000	0.000	0.000	80.000	-
Total Quantity					480 Sft (Square Foot)		44.59344 Sqm (Square Meter)	
Amount					44.59344 X 157.9124481658		7041.86	
14. 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	Out Side Wall	2.000	22.000	0.000	10.000	0.000	440.000	-

ii		2.000	22.000	0.000	10.000	0.000	440.000	-	
iii	Steps Side	2.000	4.160	0.000	1.500	0.000	12.480	-	
iv	Ramp Side	1.000	12.000	0.000	1.500	0.000	18.000	-	
v	Door	2.000	4.000	0.000	7.000	0.500	-	28.000	
vi	Window	2.000	3.500	0.000	4.500	0.500	-	15.750	
vii	V	2.000	2.000	0.000	5.500	0.500	-	11.000	
Total Quantity					855.73 Sft (Square Foot)		79.49988419 Sqm (Square Meter)		
Amount					79.49988419 X 167.4043334884		13308.63		

15. 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	Pendal For Devoties	2.000	20.000	0.000	10.000	0.000	400.000	-	
ii		2.000	20.000	0.000	10.000	0.000	400.000	-	
iii	Deduct Door	2.000	4.000	0.000	7.000	0.500	-	28.000	
iv	Winodw	2.000	3.500	0.000	4.500	0.500	-	15.750	
Total Quantity					756.25 Sft (Square Foot)		70.25789375 Sqm (Square Meter)		
Amount					70.25789375 X 241.167932714		16943.95		

16. Painting (AR0922a) : Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work (Inside)

Finishing wall surface with two coats with distemper of approved shades above one coat oil bound Primer on new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty 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	Ceiling	1.000	44.590	0.000	0.000	0.000	44.590	-
ii	Out	1.000	79.499	0.000	0.000	0.000	79.499	-
iii	Inside	1.000	70.257	0.000	0.000	0.000	70.257	-
Total Quantity					194.346 Sqm (Sqm)		194.346 Sqm (Square Meter)	
Amount					194.346 X 147.79807130451		28723.96	

17. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Floor	1.000	20.000	20.000	0.000	0.000	400.000	-
ii	Ramp	1.000	12.000	4.000	0.000	0.000	48.000	-
iii	Step	2.000	12.000	1.500	0.000	0.000	36.000	-
Total Quantity					484 Sft (Square Foot)		44.965052 Sqm (Square Meter)	
Amount					44.965052 X 359.7460670884		16176.00	

18. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)

Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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	Door	2.000	4.000	0.000	7.000	2.500	140.000	-
ii	Window	2.000	3.500	0.000	4.500	3.500	110.250	-
Total Quantity					250.25 Sft (Square Foot)		23.24897575 Sqm (Square Meter)	

Amount	23.24897575 X 164.22772665202	3818.13
Total Amount		647863.05
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		21326.00
Provision for Contingency (+) @		6810.00
Display Citizen Board (+) @		5000.00
Any Other Lumpsum (+) @		
Provision for survey investigation and quality control (+) @		
Total Addition		33136.00
Grand Net Total Amount		680999.05

AMBIKA PRASAH DASH
JE
Muniguda Block

VOONA SRINIVASA RAO
AEE
Muniguda Block

KRUSHNA CHANDRA DALAPATI
BDO
Muniguda Block