

Measurements

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

Measurement Book No : 15/2025-26				Measurement Date : 2026-04-08				Pages : 35 to 42			
Item 1 : Earth Work						Spec. Code : AR0102aa					
Spec Description : 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											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Column	8	4.5	4.5	4.5		729			✓	
ii	L Wall	2	23	2	2		184			✓	
iii	S Wall	3	23.42	2	2		281.04			✓	
iv	Deduct Column Persan	8	2	4	2		128		128	✓	
Total Quantity							1066.04 Cft (30.186841472 Cum)				
Amount							30.186841472 X 240.77592 = Rs. 7268.26				
Item 2 : Earth Work						Spec. Code : AR0115					
Spec Description : 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.											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Column	8	4.5	4.5	0.5		81			✓	
ii	L Wall	2	23	2	0.5		46			✓	
iii	S Wall	3	23.42	2	0.5		70.26			✓	

iv	Inside filling	2	19	10	1.5		570			✓	
Total Quantity							767.26 Cft (21.726347968 Cum)				
Amount							21.726347968 X 501.266232 = Rs. 10890.68				
Item 3 : Concrete							Spec. Code : AR0303				
Spec Description : 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 as per specifaion and direction of Engineer-in charge.											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Column	8	4.5	4.5	0.5		81			✓	
ii	L Wall	2	23	2	0.5		46			✓	
iii	S Wall	3	23.42	2	0.5		70.26			✓	
iv	Inside Hall	2	19	10	0.33		125.4			✓	
Total Quantity							322.66 Cft (9.136698688 Cum)				
Amount							9.136698688 X 5234.36231142 = Rs. 47824.79				
Item 4 : Masonry Brick Work							Spec. Code : AR0603bi				
Spec Description : 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.											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Wall	2	21	0.75	9.25		291.375			✓	
ii		2	21.42	0.75	9.25		297.2025			✓	
iii	Deduct Column	8	0.75	0.75	9.25		41.625		41.625	✓	

iv		1	3.5	0.75	6.5		17.0625		17.0625	✓	
v		2	3	0.75	4		18		18	✓	
vi	Foundation	2	22	1.44	1.5		95.04			✓	
vii		3	19	1.44	1.5		123.12			✓	
viii	Deduct	8	0.75	1	1.5		9		9	✓	
Total Quantity							721.05 Cft (20.41782864 Cum)				
Amount							20.41782864 X 4949.120236056 = Rs. 101050.29				
Item 5 : R.C.C. Work							Spec. Code : AR0404Aa				
Spec Description : 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.)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Column Base	8	4.5	4.5	0.75		121.5			✓	
ii		8	2	2	2		64			✓	
Total Quantity							185.5 Cft (5.2527664 Cum)				
Amount							5.2527664 X 5854.1753899599 = Rs. 30750.62				
Item 6 : R.C.C. Work							Spec. Code : AR0404Ab				
Spec Description : 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)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Plinth band	2	19.5	0.75	0.75		21.9375			✓	

ii		3	21.42	0.75	0.75		36.14625			✓	
Total Quantity							58.08375 Cft (1.644745932 Cum)				
Amount							1.644745932 X 6610.9975151016 = Rs. 10873.41				
Item 7 : R.C.C. Work							Spec. Code : AR0404Ac				
Spec Description : 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)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Column	8	0.75	1	12		72			✓	
ii	Beam	1	21.42	0.75	1.25		20.08125			✓	
iii		3	21.42	0.75	0.75		36.14625			✓	
iv		2	19.5	0.75	0.75		21.9375			✓	
Total Quantity							150.165 Cft (4.252192272 Cum)				
Amount							4.252192272 X 13909.92877728 = Rs. 59147.69				
Item 8 : R.C.C. Work							Spec. Code : AR0404Ad				
Spec Description : 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)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Lintel	3	3.25	0.75	0.5		3.65625			✓	
Total Quantity							3.65625 Cft (0.1035333 Cum)				
Amount							0.1035333 X 12518.459618491 = Rs. 1296.08				

Item 9 : R.C.C. Work							Spec. Code : AR0404Af				
Spec Description : 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)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Chajja	3	3	1.5			13.5			✓	
Total Quantity							13.5 Sft (1.2541905 Sqm)				
Amount							1.2541905 X 1074.4403403795 = Rs. 1347.55				
Item 10 : R.C.C. Work							Spec. Code : AR0404Ag				
Spec Description : 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)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Roof Slab	1	22.42	22.75	0.42		214.2231			✓	
Total Quantity							214.2231 Cft (6.06611267808 Cum)				
Amount							6.06611267808 X 12156.05979435 = Rs. 73740.03				
Item 11 : R.C.C. Work							Spec. Code : AR0409				
Spec Description : 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.											
Pre Measurement Date : 24-03-2026											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Qty	1	17.63				17.63			✓	
Total Quantity							17.63 Qntl (17.63 Qntl)				

Amount	17.63 X 8640.3140943 = Rs. 152328.74
Total Amount	Rs. 496518.14419796

Addition Component

i) Display Citizen Board	Rs. 5000
ii) Contingency	Rs. 5000
Total Addition	Rs. 10000

Deduction Component

i) Contingency	Rs. 5000
ii) Royalty	Rs. 4564
iii) Additional Royalty	Rs. 2633
iv) EMF	Rs. 228
v) DMF	Rs. 456
vi) Empty Gunny Bag	Rs. 765
vii) Labour Cess	Rs. 5000
Total Deduction	Rs. 18646

Grand Total Amount : Rs. 487872.14419796