

## Measurements

OD/365/3489/120081/389463/00078979 : Creation of Facility Center at Bangriposi Block Campus  
Block : Bangriposi, Gram Panchayat : Bangriposi  
Created By: Srihari Santra

Measurement Book No : 9/24-25						Measurement Date : 2026-03-20			Pages : 164 to 175		
Item 1 : Earth Work						Spec. Code : AR0102aa					
<b>Spec Description :</b> 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	14	4	4	5		1120			✓	
ii	grade beam area	1	190	2	2		760			✓	
iii	deduction	14	4	2	2		224		224	✓	
<b>Total Quantity</b>							<b>1656 Cft (46.8926208 Cum)</b>				
<b>Amount</b>							<b>46.8926208 X 240.77592 = Rs. 11290.61</b>				
Item 2 : Earth Work						Spec. Code : AR0115					
<b>Spec Description :</b> 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	14	4	4	5		1120			✓	
ii	grade beam area	1	190	2	0.5		190			✓	
iii	bed room 1	1	14	11	1.5		231			✓	
iv	bed room 2	1	15.33	12	1.5		275.94			✓	
v	dinning	1	21.83	12	1.5		392.94			✓	

vi	toilet 1	1	7	5	1.5		52.5			✓	
vii	toilet2	1	6.58	7.08	1.5		69.8796			✓	
viii	kitchen	1	7	10	1.5		105			✓	
ix	varandha	1	10.42	7	1.5		109.41			✓	
x	deduction for pcc 1:3:6	14	4	4	0.5		112		112	✓	
xi	column base	14	4	4	1		224		224	✓	
xii	column pedestal	14	2.5	2.5	1.5		131.25		131.25	✓	
xiii	column upto gl	14	0.83	0.83	1.5		14.4669		14.4669	✓	

**Total Quantity**

**2064.9527 Cft (58.47285261536 Cum)**

**Amount**

**58.47285261536 X 1025.042132 = Rs. 59937.14**

**Item 3 : Concrete**

**Spec. Code : AR0303a**

**Spec Description :**

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 as per specification and direction of Engineer-in charge.

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	column	14	4	4	0.5		112				
ii	gradev beam area	1	190	2	0.5		190				
iii	bed room	1	14	11	0.33		50.82				
iv	bed room 2	1	15.33	12	0.33		60.7068			✓	
v	dinning	1	21.83	12	0.33		86.4468			✓	
vi	toilet1	1	7	5	0.33		11.55			✓	

vii	toilet2	1	6.58	7.08	0.33		15.373512			✓	
viii	kitchen	1	7	10	0.33		23.1			✓	
ix	varandhA	1	10.42	7	0.33		24.0702			✓	
x	deduction	14	4	2	0.5		56		56	✓	

<b>Total Quantity</b>							<b>518.067312 Cft (14.670008460442 Cum)</b>				
<b>Amount</b>							<b>14.670008460442 X 5685.4877883 = Rs. 83406.15</b>				

<b>Item 4 : R.C.C. Work</b>							<b>Spec. Code : AR0404A</b>				
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**Spec Decription :**

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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	column base	14	4	4	1		224				
ii	pedestal	14	2.5	2.5	1.5		131.25				
iii	column upto gl	14	0.83	0.83	2.5		24.1115				
iv	grade beam	3	34.92	0.83	1		86.9508				
v		3	25.58	0.83	1		63.6942				
vi		1	17.83	0.83	1		14.7989				
vii		1	6.58	0.83	0.5		2.7307			✓	
viii	column upto roof level	14	0.83	0.83	1		9.6446			✓	
ix	lintel	3	34.92	0.83	0.5		43.4754			✓	
x		3	25.83	0.83	0.5		32.15835			✓	
xi		1	17.83	0.83	0.5		7.39945			✓	

xii		1	6.58	0.83	0.5		2.7307			✓	
xiii	toilet small lintel	1	12	0.42	0.5		2.52			✓	
xiv	wall beam	3	34.92	0.83	0.83		72.169164			✓	
xv		1	17.83	0.83	0.83		12.283087			✓	
xvi		1	6.58	0.83	0.83		4.532962			✓	
xvii	roof slab	1	35	29	0.416		422.24			✓	
<b>Total Quantity</b>							<b>1156.689813 Cft (32.753754096758 Cum)</b>				
<b>Amount</b>							<b>32.753754096758 X 6170.337792491 = Rs. 202101.73</b>				
<b>Item 5 : R.C.C. Work</b>							<b>Spec. Code : AR0409</b>				
<b>Spec Description :</b> 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.											
<b>Pre Measurement Date :</b> 22-02-2026											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	hysd bar	32.72				0.95	31.084			✓	
<b>Total Quantity</b>							<b>31.084 Qntl (31.084 Qntl)</b>				
<b>Amount</b>							<b>31.084 X 8409.9650204 = Rs. 261415.35</b>				
<b>Item 6 : R.C.C. Work</b>							<b>Spec. Code : AR0410c</b>				
<b>Spec Description :</b> 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											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC

i	pedestal	14	4	2.5	1.5		210			✓	
ii	grade beam	3	2	34.92	1		209.52			✓	
iii		3	2	25.58	1		153.48			✓	
iv		1	2	10	1		20			✓	
v		2	2	6.58	1		26.32			✓	

<b>Total Quantity</b>							<b>619.32 Sft (57.53668596 Sqm)</b>				
<b>Amount</b>							<b>57.53668596 X 216.23489289764 = Rs. 12441.44</b>				

<b>Item 7 : R.C.C. Work</b>							<b>Spec. Code : AR0410e</b>				
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**Spec Description :**  
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

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	lintel	3	2	34.92	0.5		104.76			✓	
ii		3	2	25.58	0.5		76.74			✓	
iii		1	2	17.83	0.5		17.83			✓	
iv		1	2	6.58	0.5		6.58			✓	
v		1	2	12	0.5		12			✓	

<b>Total Quantity</b>							<b>217.91 Sft (20.24449273 Sqm)</b>				
<b>Amount</b>							<b>20.24449273 X 499.15267251462 = Rs. 10105.09</b>				

<b>Item 8 : R.C.C. Work</b>							<b>Spec. Code : AR0410a</b>				
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**Spec Description :**  
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

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	for slab	1	1	35	29		1015			✓	
ii	deduction of wall beam	1	1	190	0.83		157.7		157.7	✓	
<b>Total Quantity</b>							<b>857.3 Sft (79.6457419 Sqm)</b>				
<b>Amount</b>							<b>79.6457419 X 662.689943368 = Rs. 52780.43</b>				

<b>Item 9 : Masonry Brick Work</b>							<b>Spec. Code : AR0603b</b>				
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**Spec Description :**

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/cm<sup>2</sup> 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	long wall	3	34.92	0.83	2		173.9016			✓	
ii		3	25.83	0.83	2		128.6334			✓	
iii			17.83	0.83	2		29.5978			✓	
iv			6.58	0.83	2		10.9228			✓	
v	deduction	14	0.83	0.83	0.5		4.8223		4.8223	✓	
<b>Total Quantity</b>							<b>338.2333 Cft (9.57768470944 Cum)</b>				
<b>Amount</b>							<b>9.57768470944 X 5094.99332244 = Rs. 48798.24</b>				

<b>Item 10 : Masonry Brick Work</b>							<b>Spec. Code : AR0603bi</b>				
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**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/cm<sup>2</sup> 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
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i	long wall	3	34.92	0.83	9		782.5572			✓	
ii		3	25.58	0.83	9		573.2478			✓	
iii		1	17.83	0.83	9		133.1901			✓	
iv		1	12.42	0.83	9		92.7774			✓	
v		1	6.58	0.83	9		49.1526			✓	
vi	deduction D	3	3.25	0.83	7		56.6475		56.6475	✓	
vii	D1	1	3	0.83	7		17.43		17.43	✓	
viii	D2	2	2.5	0.83	7		29.05		29.05	✓	
ix	GD	1	4	0.83	7		23.24		23.24		
x	W	4	5	0.83	4.5		74.7		74.7	✓	
xi	W1	2	3.5	0.83	4.5		26.145		26.145	✓	
xii	W2	2	3.5	0.83	3.5		20.335		20.335	✓	
xiii	column	14	0.83	0.83	9		86.8014		86.8014	✓	
<b>Total Quantity</b>							<b>1296.5762 Cft (36.71488894016 Cum)</b>				
<b>Amount</b>							<b>36.71488894016 X 5128.32332244 = Rs. 188285.82</b>				
<b>Item 11 : R.C.C. Work</b>							<b>Spec. Code : AR0410d</b>				
<b>Spec Description :</b> 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											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	column	14	2	0.83	10		232.4			✓	
ii	wall beam	3	2	34.92	0.83		173.9016			✓	

iii	wall beam	3	2	25.58	0.83		127.3884			✓	
iv		1	2	17.83	0.83		29.5978			✓	
v		1	2	6.85	0.83		11.371			✓	
<b>Total Quantity</b>							<b>574.6588 Sft (53.3875264964 Sqm)</b>				
<b>Amount</b>							<b>53.3875264964 X 1047.3822930467 = Rs. 55917.15</b>				
<b>Total Amount</b>											
							<b>Rs. 986479.15958158</b>				

### Addition Component

i) Display Citizen Board	Rs. 3520
ii) Contingency	Rs. 10000
<b>Total Addition</b>	<b>Rs. 13520</b>

### Deduction Component

i) Contingency	Rs. 10000
ii) Royalty	Rs. 8926
iii) Additional Royalty	Rs. 66221
iv) EMF	Rs. 446
v) DMF	Rs. 893
vi) Empty Gunny Bag	Rs. 1416
vii) Labour Cess	Rs. 10000
<b>Total Deduction</b>	<b>Rs. 97902</b>

**Grand Total Amount : Rs. 902097.15958158**