

## Measurements

**OD/370/3554/121217/00077302 : MODERNIZATION AND EXPANTION OF RAJIB PADA SCHOOL**  
**Block : Muniguda, Gram Panchayat : Muniguda**  
**Created By:AMBIKA PRASAH DASH**

<b>Measurement Book No : 03/2025-26</b>							<b>Measurement Date : 2026-04-02</b>			<b>Pages : 148 to 155</b>	
<b>Item 1 : Earth Work</b>							<b>Spec. Code : AR0102aa</b>				
<b>Spec Decription :</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	16	0.9	0.9	0.9		11.664			✓	
ii	Wall	1	41.15	0.6	0.6		14.814			✓	
iii		1	3.9	0.6	0.6		1.404			✓	
iv		1	2.8	0.6	0.6		1.008			✓	
<b>Total Quantity</b>							<b>28.89 cum (28.89 Cum)</b>				
<b>Amount</b>							<b>28.89 X 240.77592 = Rs. 6956.02</b>				
<b>Item 2 : Earth Work</b>							<b>Spec. Code : AR0115</b>				
<b>Spec Decription :</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	16	0.9	0.9	0.15		1.944			✓	
ii	Wall	1	6	0.6	0.1		0.36			✓	
iii		1	41.15	0.6	0.1		2.469			✓	
iv		1	3.9	0.6	0.1		0.234			✓	

v		1	2.8	0.6	0.1		0.168			✓	
<b>Total Quantity</b>							<b>5.175 cum (5.175 Cum)</b>				
<b>Amount</b>							<b>5.175 X 567.017232 = Rs. 2934.31</b>				
<b>Item 3 : Concrete</b>							<b>Spec. Code : AR0303</b>				
<b>Spec Description :</b> 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	16	0.9	0.9	0.15		1.944			✓	
ii	Wall	1	6	0.6	0.15		0.54			✓	
iii		1	41.15	0.6	0.15		3.7035			✓	
iv		1	3.9	0.6	0.15		0.351			✓	
v		1	2.8	0.6	0.15		0.252			✓	
vi	Wall	1	6	0.38	0.45		1.026			✓	
vii		1	41.15	0.38	0.45		7.03665			✓	
viii		1	3.9	0.38	0.45		0.6669			✓	
ix		1	2.8	0.38	0.45		0.4788			✓	
<b>Total Quantity</b>							<b>15.99885 cum (15.99885 Cum)</b>				
<b>Amount</b>							<b>15.99885 X 5265.92279142 = Rs. 84248.71</b>				
<b>Item 4 : R.C.C. Work</b>							<b>Spec. Code : AR0404Aa</b>				

**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	16	0.9	0.9	0.23		2.9808			✓	
ii		16	0.45	0.45	0.25		0.81			✓	
<b>Total Quantity</b>							<b>3.7908 cum (3.7908 Cum)</b>				
<b>Amount</b>							<b>3.7908 X 5883.7633399599 = Rs. 22304.17</b>				

**Item 5 : 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	14	0.23	0.23	2.5		1.8515			✓	
ii		2	0.35	0.23	4.2		0.6762			✓	
iii	Beam	1	4.4	0.23	0.3		0.3036			✓	
<b>Total Quantity</b>							<b>2.8313 cum (2.8313 Cum)</b>				
<b>Amount</b>							<b>2.8313 X 13939.51672728 = Rs. 39466.95</b>				

**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
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i	Plinth Band	1	6	0.23	0.23		0.3174			✓	
ii		1	41.15	0.23	0.23		2.176835			✓	
iii		1	3.9	0.23	0.23		0.20631			✓	
iv		1	2.8	0.23	0.23		0.14812			✓	

<b>Total Quantity</b>	<b>2.848665 cum (2.848665 Cum)</b>
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<b>Amount</b>	<b>2.848665 X 6640.5854651016 = Rs. 18916.80</b>
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<b>Item 7 : 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
i	Compound Wall	1	6	0.23	2.07		2.8566			✓	
ii		1	41.15	0.23	1.8		17.0361			✓	
iii		1	3.9	0.23	1.8		1.6146			✓	
iv		1	2.8	0.23	1.8		1.1592			✓	
v	Deduct culomn	16	0.23	0.23	1.8		1.52352		1.52352	✓	

<b>Total Quantity</b>	<b>21.14298 cum (21.14298 Cum)</b>
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<b>Amount</b>	<b>21.14298 X 4967.530516056 = Rs. 105028.40</b>
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<b>Item 8 : Plastering</b>	<b>Spec. Code : AR1014</b>
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**Spec Description :**  
 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.

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Compound wall	1	6		4.8		28.8			✓	
ii		1	41.15		4.1		168.715			✓	
iii		1	3.9		3.9		15.21			✓	
iv		1	2.8		3.9		10.92			✓	
<b>Total Quantity</b>							<b>223.645 Sqm (223.645 Sqm)</b>				
<b>Amount</b>							<b>223.645 X 242.351450714 = Rs. 54200.69</b>				
<b>Item 9 : Painting</b>							<b>Spec. Code : AR0922b</b>				
<b>Spec Description :</b> Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for 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)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	Compound wall	1	223.645		1		223.645			✓	
<b>Total Quantity</b>							<b>223.645 Sqm (223.645 Sqm)</b>				
<b>Amount</b>							<b>223.645 X 150.64275650451 = Rs. 33690.50</b>				
<b>Item 10 : 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> 18-03-2026											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i		8.46					8.46			✓	
<b>Total Quantity</b>							<b>8.46 Qntl (8.46 Qntl)</b>				

<b>Amount</b>	<b>8.46 X 8640.3140943 = Rs. 73097.06</b>
<b>Total Amount</b>	<b>Rs. 440843.61159044</b>

**Addition Component**

i) Display Citizen Board	Rs. 5000
ii) Contingency	Rs. 4400
<b>Total Addition</b>	<b>Rs. 9400</b>

**Deduction Component**

i) Contingency	Rs. 4400
ii) Royalty	Rs. 4052
iii) Additional Royalty	Rs. 1977
iv) EMF	Rs. 203
v) DMF	Rs. 405
vi) Empty Gunny Bag	Rs. 750
vii) Labour Cess	Rs. 4400
<b>Total Deduction</b>	<b>Rs. 16187</b>

**Grand Total Amount : Rs. 434056.61159044**