

Measurements

OD/365/3490/120102/389113/00013484 : PROVISION OF FACILITY CENTRE AT CHANDANPUR GP HQ
Block : Baripada, Gram Panchayat : Chandanpur
Created By:SWARNALATA BEHERA

Measurement Book No : 11/2025-26				Measurement Date : 2025-12-15				Pages : 11 to 21			
Item 1 : Earth Work						Spec. Code : AR0102a					
Spec Decription : Earth work in hard soil or gravelly soil 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	Coloumn	9	5	5	5		1125			?	
ii	Wall	2	28.5	1.5	1.5		128.25			?	
iii	Col.	9	5	1.5	1.5		101.25		101.25	?	
iv	wall	2	24.5	1.5	1.5		110.25			?	
Total Quantity							1262.25 Cft (35.7428808 Cum)				
Amount							35.7428808 X 200.6466 = Rs. 7171.69				
Item 2 : Earth Work						Spec. Code : AR0115					
Spec Decription : 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	Col.	9	5	5	1		225			?	
ii	Wall	2	28.5	1.5	0.5		42.75			?	
iii	Waiting Hall	1	13	22.83	1.5		445.185			?	
iv	Waiting Hall	1	13.83	11	1.5		228.195			?	
v	Toilet	1	13.83	11	1.5		228.195			?	
vi	Col.	9	5	1.5	0.5		33.75		33.75	?	

vii	wall	2	24.5	1.5	0.5		36.75			?	
Total Quantity							1172.325 Cft (33.19649256 Cum)				
Amount							33.19649256 X 1375.158632 = Rs. 45650.44				
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	Col.	9	5	5	0.5		112.5			?	
ii	Wall	2	28.5	1.5	0.33		28.215			?	
iii	Waiting hall	1	13	22.83	0.33		97.9407			?	
iv	Waiting hall	1	13.83	11	0.33		50.2029			?	
v	Toilet	1	13.83	11	0.33		50.2029			?	
vi	Col.	9	5	1.5	0.33		22.275		22.275	?	
vii	wall	2	24.5	1.5	0.33		24.255			?	
viii	wall	1	12	1.5	0.33		5.94			?	
ix	wall	1	13.83	1.5	0.33		6.84585			?	
Total Quantity							353.82735 Cft (10.01925830448 Cum)				
Amount							10.01925830448 X 6818.2420268 = Rs. 68313.73				
Item 4 : 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	Col. base	9	4.5	4.5	1		182.25			?	
ii	Col. base	9	2	2	1.5		54			?	
iii	upto P/B	9	1.25	0.83	2.5		23.34375			?	
Total Quantity							259.59375 Cft (7.3508643 Cum)				
Amount							7.3508643 X 7454.2366696681 = Rs. 54795.08				

Item 5 : R.C.C. Work							Spec. Code : AR0404Ab				
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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	P/B	2	28.5	0.83	1		47.31			?	
ii		2	24.5	0.83	1		40.67			?	
iii		1	12	0.83	1		9.96			?	
iv		1	13.83	0.83	1		11.4789			?	
Total Quantity							109.4189 Cft (3.09839310752 Cum)				
Amount							3.09839310752 X 8211.6109159962 = Rs. 25442.80				

Item 6 : R.C.C. Work							Spec. Code : AR0404Ac				
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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	Col.	9	1.25	0.83	9.17		85.624875			?	
ii	R/B	1	13.83	0.83	1.08		12.397212			?	
iii	R/B	1	11	0.83	1.08		9.8604			?	

iv	W/B	2	28.5	0.83	0.83		39.2673			?	
v		2	24.5	0.83	0.83		33.7561			?	
vi		1	12	0.83	0.83		8.2668			?	
vii		1	13.83	0.83	0.83		9.527487			?	
viii	Ded. Col.	9	1.25	0.83	0.83		7.750125		7.750125	?	

Total Quantity							190.950049 Cft (5.4070943475232 Cum)				
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Amount							5.4070943475232 X 14535.000346882 = Rs. 78592.12				
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Item 7 : R.C.C. Work							Spec. Code : AR0404Ad				
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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	2	28.5	0.83	0.5		23.655			?	
ii	Toilet	1	12	0.83	0.5		4.98			?	
iii	Lintel	2	24.5	0.83	0.5		20.335			?	
iv		1	13.83	0.83	0.5		5.73945			?	

Total Quantity							54.70945 Cft (1.54919655376 Cum)				
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Amount							1.54919655376 X 13205.798258439 = Rs. 20458.38				
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Item 8 : R.C.C. Work							Spec. Code : AR0404Ag				
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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	Ventilator	2	4	1.5	0.25		3			?	

ii	W.H. Chajja	1	84	1.5	0.25		31.5			?	
iii	Roof Slab	1	29.5	25.5	0.416		312.936			?	
Total Quantity							347.436 Cft (9.8382757248 Cum)				
Amount							9.8382757248 X 12827.159881844 = Rs. 126197.14				
Item 9 : 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 : 01-11-2025											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	as per pre-measurement	1	25				25			?	
Total Quantity							25 Qntl (25 Qntl)				
Amount							25 X 7896.7909389 = Rs. 197419.77				
Item 10 : Masonry Brick Work							Spec. Code : AR0603b				
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 ² 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	1st footing	1	132.25	1.66	0.67		147.08845			?	
ii	2nd footing	1	132.25	1.25	0.67		110.759375			?	
iii	3rd footing	1	132.25	0.83	0.5		54.88375			?	
iv	Deduction	1	1.66	1.66	0.67		1.846252		1.846252	?	
v	Col.	9	1.25	0.83	0.67		6.256125		6.256125	?	

vi	Col.	9	1.25	0.83	0.5		4.66875		4.66875	?	
Total Quantity							299.960448 Cft (8.4939200139264 Cum)				
Amount							8.4939200139264 X 4989.020168896 = Rs. 42376.34				
Item 11 : 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/cm ² 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	28.5	0.83	9.16		433.3596			?	
ii		2	24.5	0.83	9.16		372.5372			?	
iii	Ventilator	2	3	0.83	2		9.96		9.96	?	
iv	Door	1	3.5	0.83	7		20.335		20.335	?	
v	Door	2	3	0.83	7		34.86		34.86	?	
vi	wall	1	12	0.83	9.16		91.2336			?	
vii	wall	1	13.83	0.83	9.16		105.146724			?	
viii	grill	2	4.83	0.83	4		32.0712		32.0712	?	
ix	grill	4	4	0.83	4		53.12		53.12	?	
x	grill	1	6	0.83	4		19.92		19.92	?	
xi	grill	2	3	0.83	4		19.92		19.92	?	
Total Quantity							812.090924 Cft (22.995816276723 Cum)				
Amount							22.995816276723 X 5022.350168896 = Rs. 115493.04				
Total Amount							Rs. 781910.52428272				

Addition Component

i) Display Citizen Board	Rs. 3000
ii) Contingency	Rs. 7819
Total Addition	Rs. 10819

Deduction Component

i) Contingency	Rs. 7819
ii) Royalty	Rs. 6891.570541184
iii) Additional Royalty	Rs. 54409.554102321
iv) EMF	Rs. 344.5785270592
v) DMF	Rs. 689.1570541184
vi) Empty Gunny Bag	Rs. 1108.545
vii) Labour Cess	Rs. 7819
Total Deduction	Rs. 79081.405224683

Grand Total Amount : Rs. 713648.11905803