

Measurements

OD/357/3404/118523/381146/00015453 : Provision of Facility Centre at Katikela GP Hqrs
Block : Jharsuguda, Gram Panchayat : Katikela
Created By:Rasmita maharana

Measurement Book No : 990					Measurement Date : 2025-09-15			Pages : 163 to 178			
Item 1 : Earth Work					Spec. Code : AR0102aa						
Spec Decription : 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	9	1.2	1.2	1.2		15.552			?	
ii	long wall	3	8.98	0.5	0.45		6.0615			?	
iii	short wall	3	6.73	0.5	0.45		4.54275			?	
iv	column	9	1.2	0.5	0.45		2.43		2.43	?	
Total Quantity							23.72625 cum (23.72625 Cum)				
Amount							23.72625 X 240.77592 = Rs. 5712.71				
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	column	9	1.2	1.2	0.15		1.944			?	
ii	lwall	3	8.98	0.5	0.1		1.347			?	
iii	swall	3	6.73	0.5	0.1		1.0095			?	
iv	plinthfill	1	7	4	0.3		8.4			?	
v	plinth fill	1	4.25	3.4	0.3		4.335			?	

vi	toilet	2	3.4	1.9	0.3		3.876			?	
vii	ded column	9	1.2	0.5	0.1		0.54		0.54	?	
Total Quantity							20.3715 cum (20.3715 Cum)				
Amount							20.3715 X 974.966332 = Rs. 19861.53				
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 specificaion and direction of Engineer-in charge.											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	column	9	1.2	1.2	0.15		1.944			?	
ii	l wall	3	8.98	0.5	0.1		1.347			?	
iii	s wall	3	6.73	0.5	0.1		1.0095			?	
iv	room	1	4	7	0.1		2.8			?	
v	room	1	4.25	3.4	0.1		1.445			?	
vi	toilet	1	3.4	1.9	0.1		0.646			?	
vii	ded column	9	1.2	0.5	0.1		0.54		0.54	?	
Total Quantity							8.6515 cum (8.6515 Cum)				
Amount							8.6515 X 5990.620878 = Rs. 51827.86				
Item 4 : Masonry Brick Work							Spec. Code : AR0603c				
Spec Description : Brickwork with Flyash Bricks of size (23cm x 11cm 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	lwall	3	8.98	0.5	0.2		2.694			?	

ii	l wall	3	8.86	0.38	0.45		4.54518			?	
iii	swall	3	6.73	0.5	0.2		2.019			?	
iv	swall	3	7.61	0.38	0.45		3.90393			?	
v	ded column	9	0.38	0.38	0.65		0.84474		0.84474	?	
Total Quantity							12.31737 cum (12.31737 Cum)				
Amount							12.31737 X 5234.8363832 = Rs. 64479.42				
Item 5 : Masonry Brick Work							Spec. Code : AR0603ci				
Spec Decription : Brickwork with Flyash Bricks of size (23cm x 11cm 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	lwall	2	8.71	0.23	2.7		10.81782			?	
ii	lwall	1	4.25	0.23	2.7		2.63925			?	
iii	swall	2	7	0.23	2.7		8.694			?	
iv	swall	1	3.63	0.23	2.7		2.25423			?	
v	deddoor	1	1.2	0.23	2.1		0.5796		0.5796	?	
vi	ded t door	2	0.75	0.23	2.1		0.7245		0.7245	?	
vii	window	2	0.9	0.23	1.2		0.4968		0.4968	?	
viii	window	1	1.5	0.23	1.2		0.414		0.414	?	
Total Quantity							22.1904 cum (22.1904 Cum)				
Amount							22.1904 X 5268.1663832 = Rs. 116902.72				
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	column base	9	1.2	1.2	0.2		2.592			?	
ii	base	9	0.9	0.9	0.25		1.8225			?	
iii	plinth beam	3	8.71	0.23	0.25		1.502475			?	
iv	plinth beam	3	7	0.23	0.25		1.2075			?	

Total Quantity**7.124475 cum (7.124475 Cum)****Amount****7.124475 X 7301.2575434682 = Rs. 52017.63****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	9	0.38	0.5	0.65		1.1115			?	
ii	column	9	0.23	0.38	2.85		2.24181			?	
iii	WALL beam	2	8.71	0.23	0.15		0.60099			?	
iv	WALL beam	2	7	0.23	0.15		0.483			?	
v	BEAM	1	8.71	0.23	0.25		0.500825			?	
vi	BEAM	1	7	0.23	0.25		0.4025			?	

Total Quantity**5.340625 cum (5.340625 Cum)****Amount****5.340625 X 14600.188805646 = Rs. 77974.13****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	2	8.71	0.23	0.15		0.60099			?	
ii	LINTEL	2	7	0.23	0.15		0.483			?	
iii	LINTEL	1	3.4	0.23	0.15		0.1173			?	
iv	LINTEL	1	4.25	0.23	0.15		0.146625			?	

Total Quantity**1.347915 cum (1.347915 Cum)****Amount****1.347915 X 13208.719646857 = Rs. 17804.23****Item 9 : 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	SLAB	1	9	8.5	0.1125		8.60625			?	
ii	SITTING1	1	7	0.45	0.1		0.315			?	

Total Quantity**8.92125 cum (8.92125 Cum)****Amount****8.92125 X 12846.319822717 = Rs. 114605.23****Item 10 : 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 :

05-08-2025

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	column base	9	16	1.2	0.01	0.89	1.53792			?	
ii	column straight	9	4	5.1	0.01	1.578	2.897208			?	
iii	stirups	9	28	1.2	0.01	0.395	1.19448			?	
iv	column straight	9	2	5.1	0.01	0.888	0.815184			?	
v	plinth beam	3	6	8.9		0.00888	1.422576			?	
vi	plinth beam	3	6	7.3		0.00888	1.166832			?	
vii	stirrups	3	60	0.9		0.00395	0.6399			?	
viii	stirups	3	47	0.9		0.00395	0.501255			?	
ix	lintel beam	2	8.9	4		0.00617	0.439304			?	
x	lintel	2	4	7.2		0.00617	0.355392			?	
xi	lintel	1	3.4	4		0.00617	0.083912			?	
xii	lintel	1	4	4.25		0.00617	0.10489			?	
xiii	rings	268	0.75			0.00395	0.79395			?	
xiv	beam	2	4	8.7		0.00888	0.618048			?	
xv	beam	2	4	7		0.00888	0.49728			?	
xvi	hanging beam	1	6	8.71		0.01578	0.8246628			?	
xvii	hanging beam	1	6	7		0.01578	0.66276			?	
xviii	rings	210	0.75			0.00395	0.622125			?	
xix	rings	106	0.9			0.00395	0.37683			?	
xx	slab	2	5.78	48		0.00395	2.191776			?	
xxi	slab	2	4.56	57		0.00617	3.2074128			?	
xxii	corner bar	8	1.8			0.00617	0.088848			?	

Total Quantity	21.0425456 Qntl (21.0425456 Qntl)
Amount	21.0425456 X 8837.0803248 = Rs. 185954.67

Item 11 : Plastering	Spec. Code : AR1027
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Spec Description :

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping 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.

S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	ROOM	1	4	7			28			?	
ii	ROOM	1	3.4	4.25			14.45			?	
iii	TOILET	2	3.4	1.9			12.92			?	
iv	CANTILIVER	1	8.71	0.9			7.839			?	

Total Quantity	63.209 Sqm (63.209 Sqm)
Amount	63.209 X 192.56115307 = Rs. 12171.60

Item 12 : Plastering	Spec. Code : AR1004
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Spec Description :

12mm thick cement plster (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	WALL	2	7.46	3.6			53.712			?	
ii	WALL	2	8.96	3.6			64.512			?	
iii	DED DOOR	0.5	1	1.2	2.1		1.26		1.26	?	
iv	WINDOW	0.5	2	0.9	1.2		1.08		1.08	?	
v	WINDOW	0.5	1	1.5	1.2		0.9		0.9	?	

Total Quantity	114.984 Sqm (114.984 Sqm)
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Amount							114.984 X 175.16076298 = Rs. 20140.69				
Item 13 : Plastering							Spec. Code : AR1014				
Spec Decription : 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	WALL	1	30.3	3			90.9			?	
ii	WALL	2	10.6	3			63.6			?	
iii	ded door	0.5	1	1.2	2.1		1.26		1.26	?	
iv	ded door	2	0.75		2.1		3.15		3.15	?	
v	ded window	0.5	2	0.9	1.2		1.08		1.08	?	
vi	ded window	0.5	1	1.5	1.2		0.9		0.9	?	
Total Quantity							148.11 Sqm (148.11 Sqm)				
Amount							148.11 X 250.4763236 = Rs. 37098.05				
Item 14 : Other Building Items.							Spec. Code : AR1901B				
Spec Decription : Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	room	1	7	4			28			?	
ii	room	1	4.25	3.4			14.45			?	
iii	sitting	1	7	0.45			3.15			?	
Total Quantity							45.6 Sqm (45.6 Sqm)				
Amount							45.6 X 1015.854046153 = Rs. 46322.94				

Item 15 : Flooring							Spec. Code : AR0817aa				
Spec Decription : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	dada	1	30.5	0.15			4.575			?	
ii	ded door	1	1.2	0.15			0.18		0.18	?	
iii	ded door	2	0.9	0.15			0.27		0.27	?	
Total Quantity							4.125 Sqm (4.125 Sqm)				
Amount							4.125 X 1536.123039101 = Rs. 6336.51				
Item 16 : Flooring							Spec. Code : AR0816				
Spec Decription : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	room	2	3.4	1.9			12.92			?	
Total Quantity							12.92 Sqm (12.92 Sqm)				
Amount							12.92 X 1202.657956621 = Rs. 15538.34				
Item 17 : Flooring							Spec. Code : AR0817a				
Spec Decription : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	toiletwall	2	9.85	1.5			29.55			?	

Total Quantity							29.55 Sqm (29.55 Sqm)				
Amount							29.55 X 1333.113039101 = Rs. 39393.49				
Item 18 : Painting							Spec. Code : AR0922bk				
Spec Decription : Finishing wall two coats with distemper of approved shades with one coat water 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)(For repair and maintenance).											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	wall	1	219.0476				219.0476			?	
Total Quantity							219.0476 Sqm (219.0476 Sqm)				
Amount							219.0476 X 153.07590206428 = Rs. 33530.91				
Item 19 : Painting							Spec. Code : AR0918ca				
Spec Decription : Finishing wall two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)											
S/N	Description	N	L	B	D	CF	Quantity	Remarks	Deduction	CM	TC
i	wall	1	114.984				114.984			?	
Total Quantity							114.984 Sqm (114.984 Sqm)				
Amount							114.984 X 156.86604451751 = Rs. 18037.09				
Total Amount							Rs. 935709.72546213				

Addition Component

i) Provision for PH Work	Rs. 10000
ii) Provision for EI Work	Rs. 25000
iii) Display Citizen Board	Rs. 1620
iv) Any Other Lumpsum	Rs. 18312

v) Contingency	Rs. 9357.0972546213
Total Addition	Rs. 64289.097254621

Deduction Component

i) Contingency	Rs. 9999.9882271675
ii) Royalty	Rs. 6004.65574225
iii) Additional Royalty	Rs. 28447.616981013
iv) EMF	Rs. 300.2327871125
v) DMF	Rs. 600.465574225
vi) Empty Gunny Bag	Rs. 1195.335
vii) Labour Cess	Rs. 9999.9882271675
Total Deduction	Rs. 56548.282538936

Grand Total Amount : Rs. 943450.54017782