

## Detailed Estimate

**OD/346/3305/116232/393111/00068166 : Construction of Open gym at Begunia near Football field**

**Block : Nilgiri, Gram Panchayat : Begunia**

**Created By: MADHUSMITA MOHANTY**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	4.000	45.000	1.500	1.250	0.000	337.500	-
ii		4.000	8.500	1.500	1.250	0.000	63.750	-
Total Quantity					401.25 Cft (Cubic Foot)		11.362116 Cum (Cubic Meter)	
Amount					11.362116 X 240.77592		2735.72	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	4.000	45.000	1.500	0.330	0.000	89.100	-
ii		4.000	8.500	1.500	0.330	0.000	16.830	-
iii	INSIDE	2.000	43.330	8.660	0.660	0.000	495.314	-
Total Quantity					601.243896 Cft (Cubic Foot)		17.025303154253 Cum (Cubic Meter)	
Amount					17.025303154253 X 987.278232		16808.71	
<b>3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal</b>								

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 and as per direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	4.000	45.000	1.500	0.330	0.000	89.100	-
ii		4.000	8.500	1.500	0.330	0.000	16.830	-
iii		12.000	2.000	2.000	0.500	0.000	24.000	-
Total Quantity					129.93 Cft (Cubic Foot)		3.679201824 Cum (Cubic Meter)	
Amount					3.679201824 X 6041.0611062		22226.28	

**4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth**

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	4.000	43.330	1.500	1.000	0.000	259.980	-
ii		4.000	8.500	1.500	1.000	0.000	51.000	-
iii		4.000	45.000	0.830	1.500	0.000	224.100	-
iv		4.000	8.500	0.830	1.500	0.000	42.330	-
v	STEPS	8.000	4.000	3.000	0.660	0.000	63.360	-
vi		8.000	4.000	2.000	0.660	0.000	42.240	-
vii		8.000	4.000	1.000	0.660	0.000	21.120	-
Total Quantity					704.13 Cft (Cubic Foot)		19.938708384 Cum (Cubic Meter)	
Amount					19.938708384 X 5245.95292396		104597.53	

**5. Plastering (AR1007) : 12mm thick cement plaster (1:4) over brickwork in inside with cement punning and bitumen painting 1 coat over top of wall**

12mm thick cement plaster (1:4) over brickwork in inside with cement punning and bitumen painting 1 coat over top of wall including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc. comp. and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	8.000	50.000	1.500	0.000	0.000	600.000	-
ii		8.000	8.500	1.500	0.000	0.000	102.000	-
Total Quantity					702 Sft (Square Foot)		65.217906 Sqm (Square Meter)	
Amount					65.217906 X 256.298077932		16715.22	

**6. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	4.000	50.000	1.500	0.000	0.000	300.000	-
ii		4.000	10.000	1.500	0.000	0.000	60.000	-
iii		4.000	43.330	1.000	0.000	0.000	173.320	-
iv		4.000	8.500	1.000	0.000	0.000	34.000	-
Total Quantity					567.32 Sft (Square Foot)		52.70572996 Sqm (Square Meter)	
Amount					52.70572996 X 71.83753306751		3786.25	

**7. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)**

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	WALL	4.000	50.000	1.500	0.000	0.000	300.000	-
ii		4.000	10.000	1.500	0.000	0.000	60.000	-
iii		4.000	43.330	1.000	0.000	0.000	173.320	-
iv		4.000	8.500	1.000	0.000	0.000	34.000	-
Total Quantity					567.32 Sft (Square Foot)		52.70572996 Sqm (Square Meter)	
Amount					52.70572996 X 94.76013415		4994.40	

**8. miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC**

Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	43.330	8.500	0.000	0.000	736.610	-
Total Quantity					736.61 Sft (Square Foot)		68.43327883 Sqm (Square Meter)	
Amount					68.43327883 X 531.3		36358.60	

**9. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum**

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	GYM ITEM BASE	12.000	2.000	2.000	0.500	0.000	24.000	-
Total Quantity					24 Cft (Cubic Foot)		0.6796032 Cum (Cubic Meter)	
Amount					0.6796032 X 7687.9615714		5224.76	
Total Amount							213447.48	

<b>Addition</b>	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	5000.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	276552.48
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>286552.48</b>
<b>Grand Net Total Amount</b>	<b>499999.96</b>

**MADHUSMITA MOHANTY**  
**JE**  
Nilgiri Block

**Sarat kumar Upadhyay**  
**AEE**  
Nilgiri Block

**Bikram Kishore Parida**  
**BDO**  
Nilgiri Block