

## Detailed Estimate

**OD/355/3389/118126/397978/00069301 : Repair and Maintenance of Govt. Upper Primary School, Ashrampatana**  
**Block : Jagatsinghpur, Gram Panchayat : Khairanga**  
**Created By:SANJU KISAN**

<b>1. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.</b>								
Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Old Boundary Wall	1.000	62.830	0.830	3.500	0.000	182.521	-
Total Quantity					182.52115 Cft (Cubic Foot)		5.16841490032 Cum (Cubic Meter)	
Amount					5.16841490032 X 1401.5088339223		7243.58	
<b>2. Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift</b>								
Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	7.000	3.000	3.000	3.000	0.000	189.000	-
Total Quantity					189 Cft (Cubic Foot)		5.3518752 Cum (Cubic Meter)	
Amount					5.3518752 X 179.18208		958.96	
<b>3. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	7.000	3.000	3.000	0.500	0.000	31.500	-

Total Quantity	31.5 Cft (Cubic Foot)	0.8919792 Cum (Cubic Meter)
Amount	<b>0.8919792 X 544.049832</b>	<b>485.28</b>

**4. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal**

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 and as per direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	7.000	3.000	3.000	0.500	0.000	31.500	-

Total Quantity	31.5 Cft (Cubic Foot)	0.8919792 Cum (Cubic Meter)
Amount	<b>0.8919792 X 6475.07609228</b>	<b>5775.63</b>

**5. R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips**

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col Base	7.000	3.000	3.000	0.660	0.000	41.580	-
ii	Col up to PL	7.000	0.830	0.830	2.500	0.000	12.056	-
iii	PB	1.000	62.830	0.830	0.500	0.000	26.074	-
iv	Col above PL	7.000	0.830	0.830	5.000	0.000	24.112	-

Total Quantity	103.8217 Cft (Cubic Foot)	2.93989831456 Cum (Cubic Meter)
Amount	<b>2.93989831456 X 6666.2929783356</b>	<b>19598.22</b>

**6. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	0.000	0.000	2.000	0.000	2.000	-
Total Quantity					2 Qntl (Quintal)		2 Qntl (Quintal)	
Amount					2 X 8421.1581636		16842.32	

**7. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	B Wall	1.000	62.830	0.830	5.000	0.000	260.745	-
ii	Column	7.000	0.830	0.830	5.000	0.000	-	24.112
Total Quantity					236.633 Cft (Cubic Foot)		6.7006893344 Cum (Cubic Meter)	
Amount					6.7006893344 X 4969.421362104		33298.55	

**8. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.**

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	62.830	0.000	5.000	0.000	314.150	-
Total Quantity					314.15 Sft (Square Foot)		29.18547745 Sqm (Square Meter)	
Amount					29.18547745 X 242.470828876		7076.63	

**9. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside**

12mm thick cement plaster (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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	62.830	0.000	5.000	0.000	314.150	-
Total Quantity					314.15 Sft (Square Foot)		29.18547745 Sqm (Square Meter)	
Amount					29.18547745 X 168.4897175856		4917.45	

**10. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas**

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col below PL	7.000	4.000	0.830	2.500	0.000	58.100	-
ii	PB	2.000	62.830	0.000	0.500	0.000	62.830	-
Total Quantity					120.93 Sft (Square Foot)		11.23475979 Sqm (Square Meter)	
Amount					11.23475979 X 662.689943368		7445.16	

**11. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting**

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, girder and bressmer, etc. Data for 4.2sqm

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	7.000	4.000	0.830	5.000	0.000	116.200	-
Total Quantity					116.2 Sft (Square Foot)		10.7953286 Sqm (Square Meter)	
Amount					10.7953286 X 1047.3822930467		11306.84	

**12. Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork**

Priming one coat in outer surface with primer of approved quality over woodwork 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	Old School Building	2.000	23.500	0.000	10.000	0.000	470.000	-
ii		2.000	17.660	0.000	10.000	0.000	353.200	-
iii		2.000	4.500	0.000	3.500	0.000	31.500	-
iv		1.000	23.500	0.000	3.500	0.000	82.250	-
v	B Wall	2.000	62.830	0.000	5.000	0.000	628.300	-
vi	Door	1.000	3.000	0.000	7.000	0.000	-	21.000
vii	Window	2.000	3.000	0.000	4.000	0.000	-	24.000
Total Quantity					1520.25 Sft (Square Foot)		141.23578575 Sqm (Square Meter)	
Amount					141.23578575 X 70.08544099121		9898.57	

**13. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer**

Finishing wall surface 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Same	1.000	1520.250	0.000	0.000	0.000	1520.250	-
Total Quantity					1520.25 Sft (Square Foot)		141.23578575 Sqm (Square Meter)	
Amount					141.23578575 X 156.85349521701		22153.33	
Total Amount							147000.52	
Addition								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	1470.01
Display Citizen Board (+) @	1529.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
<b>Total Addition</b>	<b>2999.01</b>
<b>Grand Net Total Amount</b>	<b>149999.52</b>

**SANJU KISAN**  
**JE**  
**Jagatsinghpur Block**

**Sri Susanta Kumar Rout**  
**AEE**  
**Jagatsinghpur Block**

**Sri Ashutosh Mishra**  
**BDO**  
**Jagatsinghpur Block**