

## Detailed Estimate

**OD/359/3430/118978/415515/00013532 : Repair and Maintenance of Kumuriguda Primary School Building**  
**Block : Phulbani, Gram Panchayat : Bisipada**  
**Created By: SANTOSHI SAHOO**

<b>1. Dismantling (AR1618) : Dismantling and removing doors, windows and ventilators</b>								
Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m and as per direction of Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	window	6.000	3.000	0.000	4.000	0.000	72.000	-
Total Quantity					72 Sft (Square Foot)		6.689016 Sqm (Square Meter)	
<b>Amount</b>					<b>6.689016 X 388.15076923077</b>		<b>2596.35</b>	
<b>2. Iron Work (AR1704) : Iron Doors and windows fixing</b>								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Window	6.000	3.000	4.000	3.716	0.000	267.552	-
Total Quantity					267.552 Kg (Kilo Gram)		2.67552 Qntl (Quintal)	
<b>Amount</b>					<b>2.67552 X 16209.225484976</b>		<b>43368.11</b>	
<b>3. Earth Work (AR0101a) : Earthwork in ordinary soil within 50m, initial lead and 1.5m, initial lift</b>								
Earth work in ordinary 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 direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	toilet c/c wall	1.000	25.330	1.500	1.500	0.000	56.993	-
Total Quantity					56.9925 Cft (Cubic Foot)		1.613845224 Cum (Cubic Meter)	
<b>Amount</b>					<b>1.613845224 X 146.0864</b>		<b>235.76</b>	
<b>4. 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	toilet c/c wall	1.000	25.330	1.500	0.500	0.000	18.998	-
Total Quantity					18.9975 Cft (Cubic Foot)		0.537948408 Cum (Cubic Meter)	
Amount					0.537948408 X 542.599472		291.89	

**5. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal**

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	toilet c/c wall	1.000	25.330	1.500	0.500	0.000	18.998	-
ii	plinth	1.000	25.330	1.250	1.000	0.000	31.663	-
Total Quantity					50.66 Cft (Cubic Foot)		1.434529088 Cum (Cubic Meter)	
Amount					1.434529088 X 5092.3049004		7305.06	

**6. 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  $\pm 8$  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	toilet c/c wall	1.000	25.330	0.830	8.000	0.000	168.191	-
Total Quantity					168.1912 Cft (Cubic Foot)		4.76263657216 Cum (Cubic Meter)	
Amount					4.76263657216 X 4979.23167552		23714.27	

**7. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	8.660	7.660	0.415	0.000	27.529	-
ii	plinth	1.000	25.330	0.830	0.500	0.000	10.512	-
Total Quantity					38.041224 Cft (Cubic Foot)		1.0772057317632 Cum (Cubic Meter)	
Amount					1.0772057317632 X 6742.908957628		7263.50	

**8. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					1 Qntl (Quintal)		1 Qntl (Quintal)	
Amount					1 X 9043.7683408		9043.77	

**9. Flooring (AR0816) : 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**

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	6.000	5.000	0.000	0.000	30.000	-
Total Quantity					30 Sft (Square Foot)		2.78709 Sqm (Square Meter)	
Amount					2.78709 X 1186.748979193		3307.58	

**10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	c/c wall	25.330	0.000	0.000	8.000	0.000	202.640	-
Total Quantity					202.64 Sft (Square Foot)		18.82586392 Sqm (Square Meter)	
Amount					18.82586392 X 238.59745908		4491.80	

**11. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.**

12mm thick cement plaster (1:6) over Brick work in outside 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	25.330	0.000	8.000	0.000	202.640	-
Total Quantity					202.64 Sft (Square Foot)		18.82586392 Sqm (Square Meter)	
Amount					18.82586392 X 166.002421128		3125.14	

**12. Other Building Items. (AR1901A) : Supplying, fitting and fixing vitrified tile in floors of size 600mm x 600mm of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and fillin**

Supplying, fitting and fixing Vitrified Tile 600mmx600mm Plain (Ivory) of approved make conforming to IS :13755 with application of polymer modified quick set cement based water resistant adhesive conforming to IS :15477 of 3mm thick bed and filling joints with white cement of approved quality including cost of all materials, labour ,T&P,etc. required for the work all complete as per direction of Engineer-in-Charge(for repair work only)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	classroom	2.000	15.000	14.000	0.000	0.000	420.000	-
ii	ver	1.000	30.500	4.500	0.000	0.000	137.250	-
iii		4.000	29.000	0.500	0.000	0.000	58.000	-
iv		2.000	35.000	0.500	0.000	0.000	35.000	-
v	door	2.000	3.500	0.500	0.000	0.000	-	3.500
Total Quantity					646.75 Sft (Square Foot)		60.08501525 Sqm (Square Meter)	

<b>Amount</b>				<b>60.08501525 X 2104.663887613</b>			<b>126458.76</b>	
<b>13. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)</b>								
Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	toilet wall	2.000	11.000	0.000	5.000	0.000	110.000	-
Total Quantity					110 Sft (Square Foot)		10.21933 Sqm (Square Meter)	
<b>Amount</b>				<b>10.21933 X 872.952645601</b>			<b>8920.99</b>	
<b>14. Painting (AR0920ak) : Finishing wall two coats with plastic emulsion paint of approved shades with one coat oilbound Primer on new work (Inside)(For repair and maintenance).</b>								
Finishing wall two coats with plastic emulsion paint of approved shades with one coat oilbound 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).								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	classroom	4.000	14.000	1.000	8.660	0.000	484.960	-
ii	sw	4.000	15.000	1.000	8.660	0.000	519.600	-
iii	door	2.000	3.500	0.000	6.000	0.000	-	42.000
iv	window	6.000	3.000	0.000	4.000	0.000	-	72.000
v	toilet	1.000	25.330	0.000	3.000	0.000	75.990	-
vi		1.000	2.500	0.000	8.000	0.000	-	20.000
Total Quantity					946.55 Sft (Square Foot)		87.93733465 Sqm (Square Meter)	
<b>Amount</b>				<b>87.93733465 X 163.8608343788</b>			<b>14409.49</b>	
<b>15. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring</b>								
Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	classroom	2.000	15.000	14.000	0.000	0.000	420.000	-
ii	ver	1.000	30.500	4.500	0.000	0.000	137.250	-
Total Quantity					557.25 Sft (Square Foot)		51.77019675 Sqm (Square Meter)	
<b>Amount</b>					<b>51.77019675 X 98.176344086021</b>		<b>5082.61</b>	

**16. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer**

Finishing wall two coats with weather coat with one coat waterbound 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	O/O wall	2.000	30.500	0.000	8.660	0.000	528.260	-
ii		2.000	21.000	0.000	8.660	0.000	363.720	-
iii	gable	2.000	16.660	0.000	2.500	0.000	83.300	-
iv	door	2.000	3.250	0.000	6.160	0.000	-	40.040
v	w	3.000	3.000	0.000	4.000	0.000	-	36.000
Total Quantity					899.24 Sft (Square Foot)		83.54209372 Sqm (Square Meter)	
<b>Amount</b>					<b>83.54209372 X 160.72822700355</b>		<b>13427.57</b>	

**Total Amount** **273042.64**

**Addition**

Provision for PH Work (+) @	21957.00
Provision for EI Work (+) @	
Provision for Contingency (+) @	3000.00
Display Citizen Board (+) @	2000.00
Any Other Lumpsum (+) @	0.00
<b>Total Addition</b>	<b>26957.00</b>

**Grand Net Total Amount**

**299999.64**