

## Detailed Estimate

**OD/354/3385/118017/410841/00064239 : Repair and Maintenance of Elementary School at Asurabandha U.P.S**  
**Block : Surada, Gram Panchayat : Asurabandha**  
**Created By:ADITYA BEHERA**

<b>1. R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only)</b>								
'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet Slab	1.000	7.416	9.330	0.250	0.000	17.298	-
Total Quantity					17.29782 Cft (Cubic Foot)		0.489818909376 Cum (Cubic Meter)	
Amount					0.489818909376 X 7634.92864492		3739.73	
<b>2. R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas</b>								
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Toilet Slab	1.000	7.416	9.330	0.000	0.000	69.191	-
Total Quantity					69.19128 Sft (Square Foot)		6.42807748584 Sqm (Square Meter)	
Amount					6.42807748584 X 662.689943368		4259.82	
<b>3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	Ramp	1.000	5.750	15.000	0.075	0.000	6.469	-
ii	Step	1.000	7.500	1.500	0.075	0.000	0.844	-
Total Quantity					7.3125 Cft (Cubic Foot)		0.2070666 Cum (Cubic Meter)	
Amount					0.2070666 X 5371.55268192		1112.27	

#### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Ramp	1.000	15.000	5.750	0.050	0.000	4.313	-
ii	Step	1.000	7.500	1.500	0.050	0.000	0.563	-
Total Quantity					4.875 Cft (Cubic Foot)		0.1380444 Cum (Cubic Meter)	
Amount					0.1380444 X 6891.19909804		951.29	

#### 5. Dismantling (AR1613) : Removing old lime or cement plaster

Removing old lime or cement plaster from walls including raking out joints 12 mm deep 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	Verandah Above Lintel	1.000	32.000	0.000	2.500	0.000	80.000	-
ii	Class room wall	2.000	16.000	0.000	2.000	0.000	64.000	-
iii	Room	2.000	22.000	0.000	2.000	0.000	88.000	-
Total Quantity					232 Sft (Square Foot)		21.553496 Sqm (Square Meter)	
Amount					21.553496 X 50.174193548387		1081.43	

**6. Masonry Brick Work (AR0603ei) : First floor**

Brickwork with C.B. Bricks of size (23cm x 11 cm 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Water tank wall	4.000	3.500	0.750	3.000	0.000	31.500	-
Total Quantity					31.5 Cft (Cubic Foot)		0.8919792 Cum (Cubic Meter)	
Amount					0.8919792 X 5262.492269456		4694.03	

**7. 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	Toilet Slab	1.000	42.000	0.000	0.000	0.000	42.000	-
Total Quantity					42 Kg (Kilo Gram)		0.42 Qntl (Quintal)	
Amount					0.42 X 8429.7301851		3540.49	

**8. miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.**

Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Class room1	2.000	16.000	0.000	10.000	0.000	320.000	-
ii	Cs1	2.000	22.000	0.000	10.000	0.000	440.000	-
iii	Class Room 2	2.000	16.000	0.000	10.000	0.000	320.000	-

iv	Class Room 2	2.000	22.000	0.000	10.000	0.000	440.000	-
v	Verandah	1.000	32.000	0.000	10.000	0.000	320.000	-
vi	verandah	2.000	8.750	0.000	10.000	0.000	175.000	-
vii	Chajja	2.000	32.000	0.000	1.500	0.000	96.000	-
viii	back side	1.000	46.500	0.000	11.000	0.000	511.500	-
ix	Side	1.000	26.500	0.000	11.000	0.000	291.500	-
x	Column	2.000	0.750	4.000	7.000	0.000	42.000	-
xi	office front	1.000	13.750	0.000	11.000	0.000	151.250	-
xii	office room	2.000	12.250	0.000	10.000	0.000	245.000	-
xiii	office room	2.000	8.000	0.000	10.000	0.000	160.000	-
xiv	front class room 3	1.000	57.500	0.000	10.000	0.000	575.000	-
xv	office 2	1.000	8.750	0.000	10.000	0.000	87.500	-
xvi	office Side 2	1.000	12.750	0.000	10.000	0.000	127.500	-
xvii	verandah	2.000	56.750	0.000	2.750	0.000	312.125	-
xviii	verandah ceiling	1.000	56.750	0.000	7.250	0.000	411.438	-
xix	Side wall	2.000	17.500	0.000	10.000	0.000	350.000	-
xx	Window	4.000	2.000	4.000	4.500	0.500	-	72.000
xxi	Door	2.000	2.000	4.000	6.750	0.500	-	54.000
xxii	Door1	1.000	2.000	3.500	6.750	0.500	-	23.625
xxiii	Window	1.000	1.000	4.000	4.000	0.500	-	8.000
xxiv	Door2	3.000	1.000	4.000	6.750	0.500	-	40.500
xxv	Window2	5.000	1.000	4.000	4.000	0.500	-	40.000

xxvi	ARC Office back	1.000	26.250	0.000	11.000	0.000	288.750	-
xxvii	Arc side wall	1.000	23.670	0.000	11.000	0.000	260.370	-
xxviii	Arc side wall	1.000	12.830	0.000	11.000	0.000	141.130	-
xxix	Arc front	1.000	17.500	0.000	10.000	0.000	175.000	-
xxx	ARC front	1.000	8.580	0.000	10.000	0.000	85.800	-
xxxix	Arc office f	1.000	10.670	0.000	10.000	0.000	106.700	-
xxxii	above chajaa	2.000	8.580	0.000	2.500	0.000	42.900	-
xxxiii	chajja	2.000	8.580	0.000	1.500	0.000	25.740	-
xxxiv	Window	4.000	4.000	0.000	4.000	0.500	-	32.000
xxxv	Door	2.000	3.250	0.000	6.500	0.500	-	21.125
xxxvi	Column	5.000	1.000	4.000	7.000	0.000	140.000	-
xxxvii	Gate column	2.000	1.250	4.000	12.000	0.000	120.000	-
xxxviii	Gate Front	1.000	15.000	2.000	2.000	0.000	60.000	-
Total Quantity					6530.9525 Sft (Square Foot)		606.7450801075 Sqm (Square Meter)	
Amount					606.7450801075 X 5.12		3106.53	
<b>9. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Verandah Above Lintel	1.000	32.000	0.000	2.500	0.000	80.000	-
ii	Class room wall	2.000	16.000	0.000	2.000	0.000	64.000	-
iii	Room	2.000	22.000	0.000	2.000	0.000	88.000	-

iv	Water tank	4.000	4.000	0.000	3.000	0.000	48.000	-
Total Quantity					280 Sft (Square Foot)		26.01284 Sqm (Square Meter)	
Amount					26.01284 X 168.8740864984		4392.89	

#### 10. Painting (AR0918Ai) : Finishing wall one coat with weather coat

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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	Verandah	1.000	32.000	0.000	10.000	0.000	320.000	-
ii	verandah	2.000	8.750	0.000	10.000	0.000	175.000	-
iii	Chajja	2.000	32.000	0.000	1.500	0.000	96.000	-
iv	back side	1.000	46.500	0.000	11.000	0.000	511.500	-
v	Side	1.000	26.500	0.000	11.000	0.000	291.500	-
vi	Column	2.000	0.750	4.000	7.000	0.000	42.000	-
vii	office front	1.000	13.750	0.000	11.000	0.000	151.250	-
viii	front class room 3	1.000	57.500	0.000	10.000	0.000	575.000	-
ix	office 2	1.000	8.750	0.000	10.000	0.000	87.500	-
x	office Side 2	1.000	12.750	0.000	10.000	0.000	127.500	-
xi	verandah	2.000	56.750	0.000	2.750	0.000	312.125	-
xii	verandah ceiling	1.000	56.750	0.000	7.250	0.000	411.438	-
xiii	Side wall	2.000	17.500	0.000	10.000	0.000	350.000	-
xiv	Window	4.000	1.000	4.000	4.500	0.500	-	36.000
xv	Door	2.000	1.000	4.000	6.750	0.500	-	27.000

xvi	Door1	1.000	1.000	3.500	6.750	0.500	-	11.813
xvii	Window	1.000	1.000	4.000	4.000	0.500	-	8.000
xviii	Door2	3.000	1.000	4.000	6.750	0.500	-	40.500
xix	Window2	5.000	1.000	4.000	4.000	0.500	-	40.000
xx	ARC Office back	1.000	26.250	0.000	11.000	0.000	288.750	-
xxi	Arc side wall	1.000	23.670	0.000	11.000	0.000	260.370	-
xxii	Arc side wall	1.000	12.830	0.000	11.000	0.000	141.130	-
xxiii	Arc front	1.000	17.500	0.000	10.000	0.000	175.000	-
xxiv	ARC front	1.000	8.580	0.000	10.000	0.000	85.800	-
xxv	Arc office f	1.000	10.670	0.000	10.000	0.000	106.700	-
xxvi	above chajaa	2.000	8.580	0.000	2.500	0.000	42.900	-
xxvii	chajja	2.000	8.580	0.000	1.500	0.000	25.740	-
xxviii	Window	4.000	4.000	0.000	4.000	0.500	-	32.000
xxix	Door	2.000	3.250	0.000	6.500	0.500	-	21.125
xxx	Column	5.000	1.000	4.000	7.000	0.000	140.000	-
xxxi	Gate column	2.000	1.250	4.000	12.000	0.000	120.000	-
xxxii	Gate Front	1.000	15.000	2.000	2.000	0.000	60.000	-
xxxiii	Parapet	2.000	72.000	2.500	0.000	0.000	360.000	-
xxxiv	parapet	2.000	22.000	2.500	0.000	0.000	110.000	-
xxxv	Chajja	2.000	8.750	1.500	0.000	0.000	26.250	-
xxxvi	Veradah lintel above	2.000	8.750	3.000	0.000	0.000	52.500	-
Total Quantity					5229.515 Sft (Square Foot)		485.837632045 Sqm (Square Meter)	

Amount		485.837632045 X 57.0910986525					27737.00	
<b>11. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b>								
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	Class room1	2.000	16.000	0.000	10.000	0.000	320.000	-
ii	Cs1	2.000	22.000	0.000	10.000	0.000	440.000	-
iii	Class Room 2	2.000	16.000	0.000	10.000	0.000	320.000	-
iv	Class Room 2	2.000	22.000	0.000	10.000	0.000	440.000	-
v	Verandah	1.000	32.000	0.000	10.000	0.000	320.000	-
vi	verandah	2.000	8.750	0.000	10.000	0.000	175.000	-
vii	Chajja	2.000	32.000	0.000	1.500	0.000	96.000	-
viii	back side	1.000	46.500	0.000	11.000	0.000	511.500	-
ix	Side	1.000	26.500	0.000	11.000	0.000	291.500	-
x	Column	2.000	0.750	4.000	7.000	0.000	42.000	-
xi	office front	1.000	13.750	0.000	11.000	0.000	151.250	-
xii	office room	2.000	12.250	0.000	10.000	0.000	245.000	-
xiii	office room	2.000	8.000	0.000	10.000	0.000	160.000	-
xiv	front class room 3	1.000	57.500	0.000	10.000	0.000	575.000	-
xv	office 2	1.000	8.750	0.000	10.000	0.000	87.500	-
xvi	office Side 2	1.000	12.750	0.000	10.000	0.000	127.500	-
xvii	verandah	2.000	56.750	0.000	3.000	0.000	340.500	-

xxviii	Side wall	2.000	17.500	0.000	10.000	0.000	350.000	-
xix	Window	4.000	2.000	4.000	4.500	0.500	-	72.000
xx	Door	2.000	2.000	4.000	6.750	0.500	-	54.000
xxi	Door1	1.000	2.000	3.500	6.750	0.500	-	23.625
xxii	Window	1.000	1.000	4.000	4.000	0.500	-	8.000
xxiii	Door2	3.000	1.000	4.000	6.750	0.500	-	40.500
xxiv	Window2	5.000	1.000	4.000	4.000	0.500	-	40.000
xxv	ARC Office back	1.000	26.250	0.000	11.000	0.000	288.750	-
xxvi	Arc side wall	1.000	23.670	0.000	11.000	0.000	260.370	-
xxvii	Arc side wall	1.000	12.830	0.000	11.000	0.000	141.130	-
xxviii	Arc front	1.000	17.500	0.000	10.000	0.000	175.000	-
xxix	ARC front	1.000	8.580	0.000	10.000	0.000	85.800	-
xxx	Arc office f	1.000	10.670	0.000	10.000	0.000	106.700	-
xxxi	above chajaa	2.000	8.580	0.000	2.500	0.000	42.900	-
xxxii	chajja	2.000	8.580	0.000	1.500	0.000	25.740	-
xxxiii	Window	4.000	4.000	0.000	4.000	0.500	-	32.000
xxxiv	Door	2.000	3.250	0.000	6.500	0.500	-	21.125
xxxv	Column	5.000	1.000	4.000	7.000	0.000	140.000	-
xxxvi	Gate column	2.000	1.250	4.000	12.000	0.000	120.000	-
xxxvii	Gate Front	1.000	15.000	2.000	2.000	0.000	60.000	-
xxxviii	Class room Celling	2.000	16.000	22.000	0.000	0.000	704.000	-
xxxix	Verandah	1.000	32.000	8.000	0.000	0.000	256.000	-

xl	verandah Celling	1.000	56.750	7.250	0.000	0.000	411.438	-
xli	Parapet	2.000	72.000	2.500	0.000	0.000	360.000	-
xlii	office room3	2.000	8.000	10.000	0.000	0.000	160.000	-
xliii	office room	2.000	12.000	10.000	0.000	0.000	240.000	-
xliv	parapet	2.000	22.000	2.500	0.000	0.000	110.000	-
xlv	Chajja	2.000	8.750	1.500	0.000	0.000	26.250	-
xlvi	verandah above lintel	2.000	8.750	3.000	0.000	0.000	52.500	-
Total Quantity					8468.0775 Sft (Square Foot)		786.7098039825 Sqm (Square Meter)	
Amount					786.7098039825 X 71.83248932951		56511.32	
<b>12. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)</b>								
Finishing wall two coats with distemper 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
i	Class room1	2.000	16.000	0.000	10.000	0.000	320.000	-
ii	Cs1	2.000	22.000	0.000	10.000	0.000	440.000	-
iii	Class Room 2	2.000	16.000	0.000	10.000	0.000	320.000	-
iv	Class Room 2	2.000	22.000	0.000	10.000	0.000	440.000	-
v	office room	2.000	12.250	0.000	10.000	0.000	245.000	-
vi	office room	2.000	8.000	0.000	10.000	0.000	160.000	-
vii	Window	4.000	1.000	4.000	4.500	0.500	-	36.000
viii	Door	2.000	1.000	4.000	6.750	0.500	-	27.000

ix	Door1	2.000	1.000	3.500	6.750	0.500	-	23.625
x	Window	2.000	1.000	4.000	4.000	0.500	-	16.000
xi	Class room Celling	2.000	16.000	22.000	0.000	0.000	704.000	-
xii	Verandah celling	1.000	32.000	8.000	0.000	0.000	256.000	-
xiii	verandah celling Ceiling	1.000	56.750	7.250	0.000	0.000	411.438	-
xiv	office room3	2.000	8.000	10.000	0.000	0.000	160.000	-
xv	office room	2.000	12.000	10.000	0.000	0.000	240.000	-
Total Quantity					3593.8125 Sft (Square Foot)		333.8759626875 Sqm (Square Meter)	
Amount					333.8759626875 X 78.835517175		26321.28	
<b>Total Amount</b>							<b>137448.11</b>	
<b>Addition</b>								
Provision for PH Work (+) @							5177.00	
Provision for EI Work (+) @							5000.00	
Provision for Contingency (+) @							1374.48	
Display Citizen Board (+) @							1000.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>12551.48</b>	
<b>Grand Net Total Amount</b>							<b>149999.59</b>	

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JE  
Surada Block

A SANTOSH KUMAR PATRO  
AEE  
Surada Block

TANAMAYA PATRA  
BDO  
Surada Block