

Detailed Estimate

**OD/369/3545/275344/409735/00065206 : Repair / Renovation of Barabodia Jena Sahi Primary School,
Ganganarayanpur**

Block : Sadar, Gram Panchayat : Ganganarayanpur

Created By:Lipi mohapatra

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
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								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	C olumn	12.000	1.200	1.200	1.200	0.000	20.736	-
ii	wall	3.000	7.100	0.750	0.750	0.000	11.981	-
iii	wall	2.000	9.000	0.750	0.750	0.000	10.125	-
iv	wall	1.000	7.100	0.750	0.750	0.000	3.994	-
v	column	12.000	1.200	0.750	0.750	0.000	-	8.100
Total Quantity					38.736 cum (cum)		38.736 Cum (Cubic Meter)	
Amount					38.736 X 240.77592		9326.70	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
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	room	1.000	6.600	4.500	0.900	0.000	26.730	-
ii	ver	1.000	6.600	1.800	0.900	0.000	10.692	-
iii	toilet	1.000	6.600	2.100	0.900	0.000	12.474	-
iv		0.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					50.896 cum (cum)		50.896 Cum (Cubic Meter)	

Amount	50.896 X 657.654632	33471.99
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3. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	12.000	1.200	1.200	0.150	0.000	2.592	-
ii	wall	3.000	7.100	0.750	0.150	0.000	2.396	-
iii	wall	2.000	9.000	0.750	0.150	0.000	2.025	-
iv	wall	1.000	7.100	0.750	0.150	0.000	0.799	-
v	room	1.000	6.600	4.500	0.100	0.000	2.970	-
vi	room	1.000	6.600	1.800	0.100	0.000	1.188	-
vii	toilet	1.000	6.600	2.100	0.100	0.000	1.386	-
viii	column	12.000	1.200	0.750	0.150	0.000	-	1.620
Total Quantity					11.736 cum (cum)		11.736 Cum (Cubic Meter)	
Amount					11.736 X 5976.34173434		70138.35	

4. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc

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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	plinth	2.000	3.000	7.100	0.250	0.000	10.650	-
ii	plinth	2.000	2.000	9.000	0.250	0.000	9.000	-
iii	plinth	2.000	1.000	7.100	0.250	0.000	3.550	-

iv	column basease	1.000	5.000	2.920	0.300	0.000	4.380	-
v	column base	1.000	7.000	3.040	0.300	0.000	6.384	-
Total Quantity					33.964 Sqm (Sqm)		33.964 Sqm (Square Meter)	
Amount					33.964 X 216.23489289764		7344.20	
5. 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, grider and bressmer, etc. Data for 4.2sqm								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	1.000	5.000	1.000	4.500	0.000	22.500	-
ii	column	1.000	7.000	1.250	4.500	0.000	39.375	-
Total Quantity					61.875 Sqm (Sqm)		61.875 Sqm (Square Meter)	
Amount					61.875 X 1047.3822930467		64806.78	
6. R.C.C. Work (AR0410e) : 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. Lintels Data for 7.8 sqm								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lintel	2.000	7.100	1.000	0.150	0.000	2.130	-
ii	lintel	2.000	9.000	1.000	0.150	0.000	2.700	-
iii	lintel	1.000	6.600	1.000	0.150	0.000	0.990	-
iv	lintel	1.000	4.500	1.000	0.150	0.000	0.675	-
Total Quantity					6.495 Sqm (Sqm)		6.495 Sqm (Square Meter)	
Amount					6.495 X 499.15267251462		3242.00	

7. 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	chajja	1.000	9.000	0.750	1.000	0.000	6.750	-
Total Quantity					6.75 Sqm (Sqm)		6.75 Sqm (Square Meter)	
Amount					6.75 X 662.689943368		4473.16	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	rod	16.300	1.000	1.000	1.000	0.000	16.300	-
Total Quantity					16.3 Qntl (Quintal)		16.3 Qntl (Quintal)	
Amount					16.3 X 7956.0671925		129683.90	

9. 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	column	12.000	1.200	1.200	0.300	0.000	5.184	-
ii	column	7.000	0.790	0.730	0.300	0.000	1.211	-
iii	column	5.000	0.730	0.730	0.300	0.000	0.799	-
iv	column	7.000	0.375	0.375	4.500	0.000	4.430	-

v	column	5.000	0.250	0.250	4.500	0.000	1.406	-
vi	plinth	3.000	7.100	0.250	0.250	0.000	1.331	-
vii	plinth	2.000	9.000	0.250	0.250	0.000	1.125	-
viii	plinth	1.000	7.100	0.250	0.250	0.000	0.444	-
ix	lintel	2.000	9.000	0.250	0.150	0.000	0.675	-
x	lintel	2.000	7.100	0.250	0.150	0.000	0.533	-
xi	lintel	1.000	6.600	0.250	0.150	0.000	0.248	-
xii	lintel	1.000	4.500	0.250	0.150	0.000	0.169	-
xiii	chajja	1.000	9.000	0.750	0.075	0.000	0.506	-
Total Quantity					18.0603575 cum (cum)	18.0603575 Cum (Cubic Meter)		
Amount					18.0603575 X 6201.0286716618	111992.79		
10. 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 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	2.000	9.000	0.250	2.100	0.000	9.450	-
ii	wall	2.000	7.100	0.250	2.100	0.000	7.455	-
iii	wall	1.000	4.500	0.250	2.100	0.000	2.363	-
iv	column	5.000	0.250	0.250	2.100	0.000	-	0.656
v	column	7.000	0.375	0.250	2.100	0.000	-	1.378
vi	door	2.000	1.200	0.250	2.100	0.000	-	1.260
vii	window	2.000	1.050	0.250	1.350	0.000	-	0.709

viii	lintel	2.000	7.100	0.250	0.150	0.000	-	0.533
ix	lintel	2.000	9.000	0.250	0.150	0.000	-	0.675
x	lintel	1.000	6.600	0.250	0.150	0.000	-	0.248
xi	lintel	1.000	4.500	0.250	0.150	0.000	-	0.169
Total Quantity					13.640625 cum (cum)		13.640625 Cum (Cubic Meter)	
Amount					13.640625 X 5082.149644512		69323.70	
11. Masonry Stone Work (AR0717) : Laterite stone masonry								
Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	wall	3.000	7.100	0.500	0.200	0.000	2.130	-
ii	wall	2.000	9.000	0.500	0.200	0.000	1.800	-
iii	wall	1.000	7.100	0.500	0.200	0.000	0.710	-
iv	wall	3.000	7.100	0.250	1.000	0.000	5.325	-
v	wall	2.000	9.000	0.250	1.000	0.000	4.500	-
vi	wall	1.000	7.100	0.250	1.000	0.000	1.775	-
vii	column	5.000	0.250	0.250	1.200	0.000	-	0.375
viii	column	7.000	0.375	0.250	1.200	0.000	-	0.788
Total Quantity					15.0775 cum (cum)		15.0775 Cum (Cubic Meter)	
Amount					15.0775 X 5875.100381912		88581.83	
Total Amount							592385.38	
Addition								
Provision for PH Work (+) @								

Provision for EI Work (+) @	
Provision for Contingency (+) @	6000.00
Display Citizen Board (+) @	1600.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	7600.00
Grand Net Total Amount	599985.38

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Sadar Block

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AEE
Sadar Block

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