

Detailed Estimate

OD/362/3457/119561/407679/00104799 : Infrastructure Development of Gobabandhu High school
Block : Balipatna, Gram Panchayat : Rajasa
Created By: Pkmalla

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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	7.000	1.050	1.050	1.050	1.000	8.103	-
ii	Do	2.000	1.200	1.200	1.200	1.000	3.456	-
iii	Wall base	1.000	15.000	0.400	0.600	1.000	3.600	-
iv	Do	1.000	4.000	0.600	0.600	0.000	1.440	-
Total Quantity					16.599375 cum (cum)		16.599375 Cum (Cubic Meter)	
Amount					16.599375 X 240.77592		3996.73	
2. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	15.000	0.250	1.800	1.000	6.750	-
Total Quantity					6.75 cum (cum)		6.75 Cum (Cubic Meter)	
Amount					6.75 X 1401.5088339223		9460.18	
3. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	7.000	1.050	1.050	0.150	0.000	1.158	-

ii	Do	2.000	1.200	1.200	0.150	0.000	0.432	-
iii	Wall base	1.000	15.000	0.400	0.150	0.000	0.900	-
iv	Gate	1.000	4.000	0.600	0.150	1.000	0.360	-
Total Quantity					2.849625 cum (cum)		2.849625 Cum (Cubic Meter)	
Amount					2.849625 X 570.299732		1625.14	

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	7.000	1.050	1.050	0.100	1.000	0.772	-
ii	Do	2.000	1.200	1.200	0.100	1.000	0.288	-
iii	Wall base	1.000	15.000	0.450	0.150	1.000	1.013	-
iv	Do	1.000	4.000	0.450	0.150	1.000	0.270	-
Total Quantity					2.34225 cum (cum)		2.34225 Cum (Cubic Meter)	
Amount					2.34225 X 6135.5734015		14371.05	

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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	7.000	1.050	1.050	0.250	1.000	1.929	-
ii	DO	2.000	1.200	1.200	0.300	1.000	0.864	-
iii	Grade deam	1.000	15.000	0.250	0.300	1.000	1.125	-
iv	Do	1.000	4.000	0.375	0.300	1.000	0.450	-
v	Column	7.000	0.250	0.250	2.900	1.000	1.269	-

vi	Do	2.000	0.375	0.450	3.600	1.000	1.215	-
vii	Gate beam	1.000	4.000	0.375	0.300	1.000	0.450	-
viii	Gate slab	1.000	4.000	0.750	0.150	1.000	0.450	-
Total Quantity					7.752125 cum (cum)		7.752125 Cum (Cubic Meter)	
Amount					7.752125 X 6012.859784695		46612.44	

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	Steel reinforcement @1 qtl/cum	1.000	7.520	0.000	0.000	1.000	7.520	-
Total Quantity					7.52 Qntl (Quintal)		7.52 Qntl (Quintal)	
Amount					7.52 X 8656.9325535		65100.13	

7. 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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	28.000	1.050	0.000	0.300	0.000	8.820	-
ii	Do	8.000	1.200	0.000	0.300	0.000	2.880	-
iii	Grade beam	2.000	15.000	0.000	0.300	0.000	9.000	-
iv	Do	2.000	4.000	0.000	0.300	0.000	2.400	-
Total Quantity					23.1 Sqm (Sqm)		23.1 Sqm (Square Meter)	
Amount					23.1 X 216.55039071844		5002.31	

8. 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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Coolumn	28.000	0.250	0.000	2.900	1.000	20.300	-
ii	Do	4.000	0.450	0.000	3.600	1.000	6.480	-
iii	DO	4.000	0.375	0.000	3.600	0.000	5.400	-
Total Quantity						32.18 Sqm (Sqm)	32.18 Sqm (Square Meter)	
Amount						32.18 X 1048.4253517895	33738.33	

9. 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/cm² 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	Boundary wall	1.000	16.000	0.250	0.300	1.000	1.200	-
ii	Deduct column	7.000	0.250	0.250	0.300	1.000	-	0.131
iii	DO	2.000	4.000	0.375	0.300	1.000	0.900	-
Total Quantity						1.96875 cum (cum)	1.96875 Cum (Cubic Meter)	
Amount						1.96875 X 5019.3248658	9881.80	

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/cm² 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	Boundary wall	1.000	16.000	0.250	2.400	0.000	9.600	-

ii	Deduct pillar	7.000	0.250	0.250	2.400	0.000	-	1.050
Total Quantity					8.55 cum (cum)		8.55 Cum (Cubic Meter)	
Amount					8.55 X 5052.6548658		43200.20	

11. Iron Work (AR1704) : Iron Doors and windows fixing

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	M.S Gate	1.000	3.100	0.000	2.400	45.000	334.800	-
Total Quantity					334.8 Kg (Kilo Gram)		3.348 Qntl (Quintal)	
Amount					3.348 X 15988.861377087		53530.71	

Total Amount (A) : 286519.02

Additional Components

#	Item Name	Remark	Amount (in Rs.)
1	Provision for PH Work @ Rs.1000	-	1000
2	Provision for EI Work @ Rs.4000	-	4000
3	Provision for Contingency @ 1%	-	2865.1901971904
4	Display Citizen Board @ Rs.5000	-	5000
5	Any Other Lumpsum @ Rs.515	Wall painting	515
6	Provision for survey investigation and quality control @ Rs.100	-	100

Additional Components Amount (F) : 13480.19019719

Grand Total Amount (A + F) : 299999.20991623

**Pkmalla
JE
Balipatna Block**

**Archana Das
AEE
Balipatna Block**

**Subhrasu Sekhar Padhi
BDO
Balipatna Block**