

Detailed Estimate

OD/369/3545/121069/409746/00070160 : Construction of Jagulei Community Centre, Gadamrugasira GP
Block : Sadar, Gram Panchayat : Garhmurgasira
Created By: Prajna Parimita Das

1. Earth Work (AR0101aa) : Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift								
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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	9.000	4.000	4.000	4.000	0.000	576.000	-
ii	l/wall	2.000	19.330	2.500	2.500	0.000	241.625	-
iii	s/wall	2.000	18.330	2.500	2.500	0.000	229.125	-
iv	column	9.000	4.000	2.500	2.500	0.000	-	225.000
Total Quantity					821.75 Cft (Cubic Foot)		23.2693304 Cum (Cubic Meter)	
Amount					23.2693304 X 179.18208		4169.45	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	9.000	4.000	4.000	0.500	0.000	72.000	-
ii	l/wall	2.000	19.330	2.500	0.500	0.000	48.325	-
iii	s/wall	2.000	18.330	2.500	0.500	0.000	45.825	-
iv	column	9.000	4.000	2.500	0.500	0.000	-	45.000
Total Quantity					121.15 Cft (Cubic Foot)		3.43058032 Cum (Cubic Meter)	

Amount	3.43058032 X 802.306832	2752.38
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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	9.000	4.000	4.000	0.500	0.000	72.000	-
ii	l/wall	2.000	19.330	2.500	0.330	0.000	31.895	-
iii	s/wall	2.000	18.330	2.500	0.330	0.000	30.245	-
iv	column	9.000	4.000	2.500	0.330	0.000	-	29.700
Total Quantity					104.439 Cft (Cubic Foot)		2.9573782752 Cum (Cubic Meter)	
Amount					2.9573782752 X 6121.46066544		18103.47	

4. 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	9.000	4.000	4.000	0.750	0.000	108.000	-
ii	column	9.000	0.833	0.833	2.250	0.000	14.051	-
iii	column	9.000	0.833	0.833	3.000	0.000	18.735	-
iv	above g f	9.000	0.833	0.833	10.000	0.000	62.450	-
v	plinth bend	2.000	19.330	0.833	1.000	0.000	32.204	-
vi	s/wall	3.000	18.330	0.833	1.000	0.000	45.807	-
vii	lintal	2.000	19.330	0.833	0.660	0.000	21.255	-

viii	s/wall	3.000	18.330	0.833	0.660	0.000	30.232	-
ix	wall beam	2.000	19.330	0.833	0.660	0.000	21.255	-
x	s/wall	3.000	18.330	0.833	0.660	0.000	30.232	-
xi	main beam	1.000	18.330	0.833	0.833	0.000	12.719	-
xii	roof	1.000	19.833	22.500	0.416	0.000	185.637	-
xiii	chajja	3.000	4.000	1.500	0.166	0.000	2.988	-
Total Quantity					585.56437462 Cft (Cubic Foot)		16.58130928324 Cum (Cubic Meter)	
Amount					16.58130928324 X 6354.5994652688		105367.58	

5. 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	rod	11.000	0.000	0.000	0.000	0.000	11.000	-
Total Quantity					11 Qntl (Quintal)		11 Qntl (Quintal)	
Amount					11 X 7969.937472		87669.31	

6. 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	l/wall	6.000	19.330	1.000	0.000	0.000	115.980	-
ii	s/wall	4.000	17.500	1.000	0.000	0.000	70.000	-
Total Quantity					185.98 Sft (Square Foot)		17.27809994 Sqm (Square Meter)	

Amount						17.27809994 X 216.23489289764	3736.13	
7. 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								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	l/wall	6.000	19.330	0.000	0.660	0.000	76.547	-
ii	s/wall	4.000	17.500	0.000	0.660	0.000	46.200	-
Total Quantity					122.7468 Sft (Square Foot)		11.4035459604 Sqm (Square Meter)	
Amount						11.4035459604 X 499.15267251462	5692.11	
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, grider and bressmer, etc. Data for 4.2sqm								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	36.000	0.833	0.000	10.000	0.000	299.880	-
ii	beam	6.000	19.330	0.000	0.660	0.000	76.547	-
iii	beam	4.000	18.330	0.000	0.660	0.000	48.391	-
iv	main beam	2.000	13.660	0.000	0.833	0.000	22.758	-
Total Quantity					447.57556 Sft (Square Foot)		41.58111225068 Sqm (Square Meter)	
Amount						41.58111225068 X 1047.3822930467	43551.32	
9. 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	roof	1.000	19.833	22.500	0.000	0.000	446.242	-
ii	chajja	3.000	4.000	1.500	0.000	0.000	18.000	-
Total Quantity					464.2425 Sft (Square Foot)		43.1295209775 Sqm (Square Meter)	
Amount					43.1295209775 X 662.689943368		28581.50	

10. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	l/wall	2.000	19.330	1.660	0.833	0.000	53.458	-
ii	l/wall	2.000	19.330	0.833	0.833	0.000	26.826	-
iii	l/wall	2.000	19.330	0.833	2.000	0.000	64.408	-
iv	s/wall	2.000	18.330	1.660	0.833	0.000	50.693	-
v	s/wall	2.000	18.330	0.833	0.833	0.000	25.438	-
vi	s/wall	2.000	18.330	0.833	2.000	0.000	61.076	-
vii	column	9.000	0.833	0.833	3.660	0.000	-	22.857
Total Quantity					259.04112542 Cft (Cubic Foot)		7.3352157402931 Cum (Cubic Meter)	
Amount					7.3352157402931 X 5909.346237792		43346.33	

11. Masonry Brick Work (AR0603ei) : C.B. Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure

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

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	l/wall	2.000	19.330	0.833	1.000	0.000	32.204	-	
ii	l/wall	2.000	18.330	0.833	1.000	0.000	30.538	-	
iii	column	9.000	0.833	0.833	1.000	0.000	-	6.245	
iv	door	1.000	5.000	0.833	1.000	0.000	-	4.165	
Total Quantity					52.331559 Cft (Cubic Foot)		1.4818622898912 Cum (Cubic Meter)		
Amount					1.4818622898912 X 5043.464915392		7473.72		

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

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	out side	2.000	19.330	0.000	1.000	0.000	38.660	-	
Total Quantity					38.66 Sft (Square Foot)		3.59162998 Sqm (Square Meter)		
Amount					3.59162998 X 172.7378142688		620.41		

13. 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		1.000	19.330	0.000	1.000	0.000	19.330	-	
Total Quantity					19.33 Sft (Square Foot)		1.79581499 Sqm (Square Meter)		
Amount					1.79581499 X 247.568861648		444.59		
Total Amount							351508.30		

Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3617.00
Display Citizen Board (+) @	5000.00
Any Other Lumpsum (+) @	1597.00
Provision for survey investigation and quality control (+) @	
Total Addition	10214.00
Grand Net Total Amount	361722.30

Prajna Parimita Das
JE
Sadar Block

Buddhadev Rath
AEE
Sadar Block

SAMBEET SATAPATHY
BDO
Sadar Block