

Detailed Estimate

OD/350/3340/117035/398532/00063351 : Construction of Kunjaban Tota Kakudia
Block : Narasinghpur, Gram Panchayat : Kakudia
Created By: BISHNUPRIYA

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	coloum	8.000	1.000	1.000	1.000	0.000	8.000	-
ii	wall	2.000	8.900	0.450	0.500	0.000	4.005	-
iii	wall	4.000	4.300	0.450	0.500	0.000	3.870	-
iv	step	2.000	1.500	1.250	0.250	0.000	0.938	-
v	wall coloum	8.000	1.000	0.450	0.500	0.000	-	1.800
Total Quantity					15.0125 cum (cum)		15.0125 Cum (Cubic Meter)	
Amount					15.0125 X 240.77592		3614.65	
2. 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	coloum	8.000	1.000	1.000	0.100	0.000	0.800	-
ii	wall	2.000	8.900	0.450	0.100	0.000	0.801	-
iii	wall	4.000	4.300	0.450	0.100	0.000	0.774	-
iv	inside	1.000	8.150	4.050	0.100	0.000	3.301	-
v	steps	2.000	1.500	1.250	0.100	0.000	0.375	-

vi	coloum	8.000	1.000	0.450	0.100	0.000	-	0.360
Total Quantity					5.69075 cum (cum)		5.69075 Cum (Cubic Meter)	
Amount					5.69075 X 6308.41640436		35899.62	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	colum	8.000	1.000	1.000	0.150	0.000	1.200	-
ii	wall	2.000	8.900	0.450	0.150	0.000	1.202	-
iii	wall	4.000	4.300	0.450	0.150	0.000	1.161	-
iv	inside	1.000	8.150	4.050	0.700	0.000	23.105	-
v	step	2.000	1.500	1.250	0.150	0.000	0.563	-
vi	coloum	8.000	1.000	0.450	0.150	0.000	-	0.540
Total Quantity					26.69025 cum (cum)		26.69025 Cum (Cubic Meter)	
Amount					26.69025 X 777.299232		20746.31	

4. 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	outer side	1.000	2.000	13.700	0.800	0.000	21.920	-
ii	step top	2.000	1.000	1.875	1.000	0.000	3.750	-
iii	step sides	2.000	2.000	1.250	0.150	0.000	0.750	-
iv		2.000	2.000	1.000	0.150	0.000	0.600	-
v		2.000	2.000	0.750	0.150	0.000	0.450	-

vi		2.000	2.000	0.500	0.150	0.000	0.300	-
vii		2.000	2.000	0.250	0.150	0.000	0.150	-
Total Quantity					27.92 Sqm (Sqm)		27.92 Sqm (Square Meter)	
Amount					27.92 X 244.807073612		6835.01	
5. 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	column base	8.000	2.000	1.800	0.250	0.000	7.200	-
ii	p.box	8.000	2.000	0.900	0.250	0.000	3.600	-
iii		8.000	2.000	0.750	0.250	0.000	3.000	-
iv	shaft	8.000	2.000	0.500	0.800	0.000	6.400	-
v	plinth beam	2.000	2.000	8.150	0.250	0.000	8.150	-
vi		4.000	2.000	4.050	0.250	0.000	8.100	-
Total Quantity					36.45 Sqm (Sqm)		36.45 Sqm (Square Meter)	
Amount					36.45 X 216.23489289764		7881.76	
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	HYSD BAR	1.000	1.000	1.000	1.000	3.270	3.270	-
Total Quantity					3.27 Qntl (Quintal)		3.27 Qntl (Quintal)	

Amount					3.27 X 8547.2584008	27949.53		
7. Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips								
2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	pindi top	1.000	9.150	4.550	0.000	0.000	41.633	-
Total Quantity					41.6325 Sqm (Sqm)		41.6325 Sqm (Square Meter)	
Amount					41.6325 X 377.6907187872		15724.21	
8. 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/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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	long wall	2.000	8.900	0.375	0.250	0.000	1.669	-
ii	short wall	4.000	4.300	0.375	0.250	0.000	1.613	-
iii		2.000	8.900	0.250	0.550	0.000	2.448	-
iv		4.000	4.300	0.250	0.550	0.000	2.365	-
v	steps	2.000	1.500	1.250	0.150	0.000	0.563	-
vi		2.000	1.500	1.000	0.150	0.000	0.450	-
vii		2.000	1.500	0.750	0.150	0.000	0.338	-
viii		2.000	1.500	0.500	0.150	0.000	0.225	-
ix		2.000	1.500	0.250	0.150	0.000	0.113	-
x	wall column	8.000	0.375	0.375	0.250	0.000	-	0.281

xi		8.000	0.250	0.250	0.550	0.000	-	0.275
Total Quantity					9.225 cum (cum)		9.225 Cum (Cubic Meter)	
Amount					9.225 X 5087.720656648		46934.22	
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 base	8.000	0.900	0.900	0.250	0.000	1.620	-
ii	p.box	8.000	0.450	0.450	0.250	0.000	0.405	-
iii		8.000	0.375	0.375	0.250	0.000	0.281	-
iv	shaft	8.000	0.250	0.250	0.800	0.000	0.400	-
v	plinth beam	2.000	8.900	0.250	0.250	0.000	1.113	-
vi		4.000	4.300	0.250	0.250	0.000	1.075	-
Total Quantity					4.89375 cum (cum)		4.89375 Cum (Cubic Meter)	
Amount					4.89375 X 6456.2320412372		31595.19	
Total Amount							197180.51	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2021.00	
Display Citizen Board (+) @							2836.00	
Any Other Lumpsum (+) @								

Provision for survey investigation and quality control (+) @	
Total Addition	4857.00
Grand Net Total Amount	202037.51

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PRALAYANANDA SATPATHY
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