

Detailed Estimate

OD/361/3445/119307/385416/00070477 : Construction of CD & Guardwall from Banko to Jerei Sahi at Banko
Block : Champua, Gram Panchayat : Sunaposi
Created By: Sudeshna Patra

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	Guard wall	1.000	180.000	3.000	3.000	0.028	45.846	-
ii	preparation of wall	1.000	20.000	4.000	1.000	0.028	2.264	-
iii	Abutment	2.000	20.000	4.000	4.000	0.028	18.112	-
iv	Wing	2.000	7.000	2.000	2.000	0.028	1.585	-
v	do	1.000	13.000	2.000	2.000	0.028	1.472	-
vi	do	1.000	13.000	2.000	2.000	0.028	1.472	-
vii	vent	1.000	20.000	1.500	1.000	0.028	0.849	-
viii	cuttoff two side	2.000	1.500	1.000	1.000	0.028	0.085	-
Total Quantity					71.6839 cum (cum)		71.6839 Cum (Cubic Meter)	
Amount					71.6839 X 240.77592		17259.76	
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	Guard wall	0.000	180.000	3.000	0.330	0.028	5.043	-

ii	Preparation of base	1.000	20.000	4.000	0.400	0.028	0.906	-
iii	Abutment	2.000	20.000	4.000	0.330	0.028	1.494	-
iv	wing	2.000	7.000	2.000	0.300	0.028	0.238	-
v	do	1.000	13.000	2.000	0.300	0.028	0.221	-
vi	do	1.000	13.000	2.000	0.300	0.028	0.221	-
vii	Vent	1.000	20.000	1.500	0.330	0.028	0.280	-
viii	Cutoff	2.000	1.500	1.000	0.160	0.028	0.014	-
Total Quantity					8.415854 cum (cum)		8.415854 Cum (Cubic Meter)	
Amount					8.415854 X 927.950832		7809.50	

3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal

Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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	Base	1.000	20.000	1.500	0.500	0.028	0.425	-
ii	G. Wall fnd	1.000	180.000	3.000	1.000	0.028	15.282	-
iii	G.wall S/S	1.000	180.000	2.000	3.500	0.028	35.658	-
iv	Abutment	2.000	20.000	4.000	1.500	0.028	6.792	-
v	Abutment S/S	2.000	20.000	2.250	5.500	0.028	14.009	-
vi	Wing (L.H.S.)	2.000	7.000	2.000	0.500	0.028	0.396	-
vii	S/S	2.000	7.000	1.750	2.500	0.028	1.733	-
viii	Wing (R.H.S)	1.000	13.000	2.000	0.500	0.028	0.368	-
ix	S/S	1.000	13.000	1.750	3.000	0.028	1.931	-
x	Do	1.000	13.000	2.000	0.500	0.028	0.368	-

xi	S/S	1.000	13.000	1.750	3.000	0.028	1.931	-
xii	Vent	1.000	20.000	1.500	0.500	0.028	0.425	-
xiii	cuttoff two side	2.000	1.500	1.000	0.660	0.028	0.056	-
Total Quantity					79.373859 cum (cum)		79.373859 Cum (Cubic Meter)	
Amount					79.373859 X 6033.67457624		478916.04	

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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Slab	1.000	20.000	4.500	0.660	0.028	1.681	-
ii	pier cap	2.000	20.000	1.500	0.410	0.028	0.696	-
Total Quantity					2.3772 cum (cum)		2.3772 Cum (Cubic Meter)	
Amount					2.3772 X 6439.2935521848		15307.49	

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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	MS Rod	1.000	2.410	0.000	0.000	0.000	2.410	-
Total Quantity					2.41 Qntl (Quintal)		2.41 Qntl (Quintal)	
Amount					2.41 X 9248.3621622		22288.55	

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	G.Wall	2.000	180.000	0.000	4.500	0.093	150.498	-
ii	Abutment	4.000	20.000	0.000	5.410	0.093	40.207	-
iii	Wing	4.000	7.000	0.000	3.000	0.093	7.804	-
iv	do	2.000	17.000	0.000	3.460	0.093	10.929	-
v	do	2.000	13.000	0.000	3.500	0.093	8.454	-
vi	Slab	1.000	20.000	0.000	1.500	0.093	2.787	-
Total Quantity					220.678376 Sqm (Sqm)		220.678376 Sqm (Square Meter)	
Amount					220.678376 X 216.23489289764		47718.36	
Total Amount							589299.70	
Addition								
Provision for PH Work (+) @							0.00	
Provision for EI Work (+) @							0.00	
Provision for Contingency (+) @							6000.00	
Display Citizen Board (+) @							4700.30	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @							0.00	
Total Addition							10700.30	
Grand Net Total Amount							600000.00	

Sudeshna Patra
JE
Champua Block

SABYASACHI NAYAK
AEE
Champua Block

KendujharChampuaBDO
BDO
Champua Block