

Detailed Estimate

OD/359/3430/118978/415494/00013539 : Improvement/ Completion of Incomplete Kalyan Mandap at Bisipada
Block : Phulbani, Gram Panchayat : Bisipada
Created By: SANTOSHI SAHOO

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	toilet C/C	2.000	9.330	1.500	1.500	0.000	41.985	-
ii	sw	4.000	3.830	1.500	1.500	0.000	34.470	-
iii	lft side ver	1.000	47.000	1.000	1.500	0.000	70.500	-
iv	portico ver	1.000	16.330	1.000	1.500	0.000	24.495	-
v	rt side ver	1.000	47.000	1.000	1.500	0.000	70.500	-
vi	step	2.000	6.000	6.000	1.500	0.000	108.000	-
vii	prtico step	1.000	10.000	6.160	1.500	0.000	92.400	-
viii	ramp	1.000	6.000	6.000	1.500	0.000	54.000	-
Total Quantity					496.35 Cft (Cubic Foot)		14.05504368 Cum (Cubic Meter)	
Amount					14.05504368 X 240.77592		3384.12	
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	toilet C/C	2.000	9.330	1.500	0.500	0.000	13.995	-

ii	sw	4.000	3.830	1.500	0.500	0.000	11.490	-
iii	lft side ver	1.000	47.000	1.000	0.500	0.000	23.500	-
iv	portico ver	1.000	16.330	1.000	0.500	0.000	8.165	-
v	rt side ver	1.000	47.000	1.000	0.500	0.000	23.500	-
vi	step	2.000	6.000	6.000	0.500	0.000	36.000	-
vii	prtico step	1.000	10.000	6.160	0.500	0.000	30.800	-
viii	toilet inside	2.000	7.000	4.500	0.500	0.000	31.500	-
ix	ver inside	2.000	47.000	4.500	0.500	0.000	211.500	-
x	portico ver	1.000	16.330	4.500	0.500	0.000	36.743	-
xi	step	2.000	6.000	6.000	0.500	0.000	36.000	-
xii	prtico step	1.000	10.000	6.160	0.500	0.000	30.800	-
xiii	ramp	1.000	6.000	6.000	0.500	0.000	18.000	-
Total Quantity					511.9925 Cft (Cubic Foot)		14.497989224 Cum (Cubic Meter)	
Amount					14.497989224 X 543.847832		7884.70	
3. Concrete (AR0304a) : Cement concrete (1:4:8) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:4:8) 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	toilet c/c wall and	2.000	9.330	1.500	1.000	0.000	27.990	-
ii	sw	4.000	3.830	1.500	1.000	0.000	22.980	-
iii	2ndfooting c/c	2.000	9.083	1.250	1.500	0.000	34.061	-
iv	sw	4.000	4.083	1.250	1.500	0.000	30.623	-

v	lft side ver	1.000	47.000	1.000	1.000	0.000	47.000	-
vi	rt side ver	1.000	47.000	1.000	1.000	0.000	47.000	-
vii	portico ver	1.000	16.330	1.000	1.000	0.000	16.330	-
viii	step	2.000	6.000	6.000	0.500	0.000	36.000	-
ix	portico step	1.000	10.000	6.160	0.500	0.000	30.800	-
x	toilet inside	2.000	7.000	4.500	0.330	0.000	20.790	-
xi	ver inside	2.000	47.000	4.500	0.330	0.000	139.590	-
xii	prtico ver	1.000	16.330	4.500	0.330	0.000	24.250	-
xiii	ramp	1.000	6.000	6.000	0.500	0.000	18.000	-
Total Quantity					495.4138 Cft (Cubic Foot)		14.02853349184 Cum (Cubic Meter)	
Amount					14.02853349184 X 5365.71164992		75273.07	
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	Toilet plinth	2.000	8.660	0.830	0.830	0.000	11.932	-
ii	sw	4.000	4.500	0.830	0.830	0.000	12.400	-
iii	toilet lintel	2.000	8.660	0.830	0.500	0.000	7.188	-
iv	sw	4.000	4.500	0.830	0.500	0.000	7.470	-
v	main building lintel LW	2.000	50.000	0.830	0.500	0.000	41.500	-
vi		3.000	23.500	0.830	0.500	0.000	29.258	-

vii		2.000	10.000	0.830	0.500	0.000	8.300	-
viii		1.000	5.000	0.415	0.500	0.000	1.038	-
ix	w.chajja	3.000	6.000	2.000	0.208	0.000	7.488	-
x		2.000	5.500	2.000	0.208	0.000	4.576	-
xi	staircase room plinth	1.000	12.750	0.830	0.660	0.000	6.984	-
xii		1.000	5.660	0.830	0.660	0.000	3.101	-
xiii		1.000	17.330	0.830	0.830	0.000	11.939	-
xiv	toilet slab	2.000	10.660	6.000	0.415	0.000	53.087	-
xv	waist slab	1.000	26.500	5.500	0.330	0.000	48.098	-
xvi	landing	2.000	5.500	5.500	0.415	0.000	25.108	-
xvii	main building wall beam	2.000	50.000	0.830	0.830	0.000	68.890	-
xviii		3.000	23.330	0.830	0.830	0.000	48.216	-
xix		2.000	10.000	0.830	0.830	0.000	13.778	-
xx		1.000	5.000	0.415	0.830	0.000	1.722	-
xxi	main hall beam	2.000	23.330	1.000	1.660	0.000	77.456	-
xxii	cantiliver	2.000	5.000	0.830	0.830	0.000	6.889	-
xxiii		4.000	5.000	0.830	0.830	0.000	13.778	-
Total Quantity					510.193144 Cft (Cubic Foot)		14.447037220019 Cum (Cubic Meter)	
Amount					14.447037220019 X 6952.1833049488		100438.45	
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	rod	1.000	14.850	0.000	0.000	0.000	14.850	-
Total Quantity					14.85 Qntl (Quintal)		14.85 Qntl (Quintal)	
Amount					14.85 X 9539.0373645		141654.70	

6. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	main building wall above intel LW	1.000	50.000	0.830	3.660	0.000	151.890	-
ii	lw	1.000	50.000	0.830	3.000	0.000	124.500	-
iii	sw	3.000	23.330	0.830	3.660	0.000	212.616	-
iv	cw	2.000	10.000	0.830	3.660	0.000	60.756	-
v	cw	1.000	5.000	0.415	3.660	0.000	7.595	-
vi	toilet LW	2.000	8.660	0.830	8.000	0.000	115.005	-
vii	sw	4.000	4.500	0.830	8.000	0.000	119.520	-
viii	lft side ver	1.000	15.000	0.830	2.830	0.000	35.234	-
ix		1.000	10.500	0.830	2.000	0.000	17.430	-
x		1.000	6.000	0.830	1.000	0.000	4.980	-
xi		1.000	9.500	0.830	1.750	0.000	13.799	-
xii		1.000	6.000	0.830	2.000	0.000	9.960	-

xiii		2.000	8.000	0.830	2.000	0.000	26.560	-	
xiv	rt side ver	1.000	47.000	0.830	2.160	0.000	84.262	-	
xv	step	4.000	10.000	1.250	0.500	0.000	25.000	-	
xvi		10.000	6.000	1.250	0.500	0.000	37.500	-	
xvii	staircase room	1.000	5.500	0.830	8.000	0.000	36.520	-	
xviii		1.000	8.000	0.830	8.000	0.000	53.120	-	
xix	door	3.000	2.500	0.830	8.000	0.000	-	49.800	
xx	columns	6.000	1.500	1.000	3.660	0.000	-	32.940	
xxi		10.000	0.830	0.830	3.660	0.000	-	25.214	
xxii	ventilator	4.000	2.000	0.830	1.500	0.000	-	9.960	
Total Quantity					1018.331032 Cft (Cubic Foot)		28.835876166938 Cum (Cubic Meter)		
Amount					28.835876166938 X 5233.660055592		150917.17		
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									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Toilet plinth	4.000	8.660	0.000	0.830	0.000	28.751	-	
ii	sw	8.000	4.500	0.000	0.830	0.000	29.880	-	
iii	staircase room plinth	2.000	12.750	0.000	0.660	0.000	16.830	-	
iv		2.000	5.660	0.000	0.660	0.000	7.471	-	
v		2.000	17.330	0.000	0.830	0.000	28.768	-	

Total Quantity	111.7002 Sft (Square Foot)	10.3772836806 Sqm (Square Meter)
Amount	10.3772836806 X 216.23489289764	2243.93

8. 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	toilet lintel	4.000	8.660	0.000	0.500	0.000	17.320	-
ii	sw	8.000	4.500	0.000	0.500	0.000	18.000	-
iii	main building lintel LW	4.000	50.000	0.000	0.500	0.000	100.000	-
iv		6.000	23.500	0.000	0.500	0.000	70.500	-
v		4.000	10.000	0.000	0.500	0.000	20.000	-
vi		2.000	5.000	0.000	0.500	0.000	5.000	-

Total Quantity	230.82 Sft (Square Foot)	21.44387046 Sqm (Square Meter)
Amount	21.44387046 X 499.15267251462	10703.77

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

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	w.chajja	3.000	6.000	2.000	0.000	0.000	36.000	-

Total Quantity	36 Sft (Square Foot)	3.344508 Sqm (Square Meter)
Amount	3.344508 X 662.689943368	2216.37

10. 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		4.000	10.000	0.000	0.830	0.000	33.200	-
Total Quantity					33.2 Sft (Square Foot)		3.0843796 Sqm (Square Meter)	
Amount					3.0843796 X 1047.3822930467		3230.52	

11. Plastering (AR1026i) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (outside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in outside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					1 Sqm (Sqm)		1 Sqm (Square Meter)	
Amount					1 X 164.6858111456		164.69	

12. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		0.100	0.000	0.000	0.000	0.000	0.100	-
Total Quantity					0.1 cum (cum)		0.1 Cum (Cubic Meter)	
Amount					0.1 X 8225.15308728		822.52	
Total Amount							498934.00	
Addition								

Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	0.00
Display Citizen Board (+) @	1065.00
Any Other Lumpsum (+) @	0.00
Provision for survey investigation and quality control (+) @	
Total Addition	1065.00
Grand Net Total Amount	499999.00

SANTOSHI SAHOO
JE
Phulbani Block

Laxmidhar Singh
AEE
Phulbani Block

SOUMYA RANJAN PATRO
BDO
Phulbani Block