

## Detailed Estimate

**OD/371/3566/121420/381702/00074949 : Construction of PATIKA AT Surajmal College.**

**Block : Rengali, Gram Panchayat : Rengali**

**Created By: Tikanath Bhaisa**

<b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>								
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	Earth Work	2.000	19.830	2.000	2.500	0.000	198.300	-
ii	Earth Work	2.000	17.830	2.000	2.500	0.000	178.300	-
iii	Column	4.000	4.000	4.000	4.000	0.000	256.000	-
iv	Column	4.000	4.000	4.000	2.500	0.000	-	160.000
Total Quantity					472.6 Cft (Cubic Foot)		13.38251968 Cum (Cubic Meter)	
Amount					13.38251968 X 240.77592		3222.19	
<b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	Filling	2.000	19.830	2.000	0.500	0.000	39.660	-
ii	Filling	2.000	17.830	2.000	0.500	0.000	35.660	-
iii	Coloumn	4.000	4.000	4.000	0.500	0.000	32.000	-
iv	Column	4.000	4.000	2.000	0.500	0.000	-	16.000
v	Filling	1.000	17.000	19.000	0.830	0.000	268.090	-

Total Quantity	359.41 Cft (Cubic Foot)	10.177341088 Cum (Cubic Meter)
Amount	10.177341088 X 513.547832	5226.55

### 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Metaling	2.000	19.830	2.000	0.500	0.000	39.660	-
ii	Mateling	2.000	17.830	2.000	0.500	0.000	35.660	-
iii	Mateling	1.000	17.000	19.000	0.330	0.000	106.590	-
iv	Mateling	4.000	4.000	4.000	0.500	0.000	32.000	-
v	Coloumn	4.000	4.000	2.000	0.500	0.000	-	16.000

Total Quantity	197.91 Cft (Cubic Foot)	5.604177888 Cum (Cubic Meter)
Amount	5.604177888 X 5406.8829748	30301.13

### 4. R.C.C. Work (AR0404Aa) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	4.000	4.000	4.000	0.500	0.000	32.000	-
ii	Footing	4.000	2.750	2.750	1.500	0.000	45.375	-

Total Quantity	77.375 Cft (Cubic Foot)	2.1910124 Cum (Cubic Meter)
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<b>Amount</b>							<b>2.1910124 X 5979.9144883481</b>	<b>13102.07</b>
<b>5. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Plinth Bend	2.000	21.080	1.250	0.830	0.000	43.741	-
ii	Plinth Bend	2.000	16.580	1.250	0.830	0.000	34.404	-
iii	Column	4.000	1.500	1.500	0.830	0.000	-	7.470
Total Quantity					70.6745 Cft (Cubic Foot)		2.0012756816 Cum (Cubic Meter)	
<b>Amount</b>							<b>2.0012756816 X 6737.2887346762</b>	<b>13483.17</b>
<b>6. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips</b>								
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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Coloumn	4.000	1.500	1.500	2.000	0.000	18.000	-
ii	Column	4.000	1.250	1.250	11.000	0.000	68.750	-
iii	Beam	2.000	20.830	0.830	0.830	0.000	28.700	-
iv	Beam	2.000	18.660	0.830	0.830	0.000	25.710	-
Total Quantity					141.159322 Cft (Cubic Foot)		3.9971802892096 Cum (Cubic Meter)	
<b>Amount</b>							<b>3.9971802892096 X 14039.604008803</b>	<b>56118.83</b>

**7. R.C.C. Work (AR0404Ag) : 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof Slab	1.000	21.830	19.660	0.410	0.000	175.963	-
ii	Chhaja	1.000	22.000	1.500	0.250	0.000	8.250	-
iii	Chhaja	2.000	18.000	1.500	0.250	0.000	13.500	-
Total Quantity					197.712898 Cft (Cubic Foot)		5.5985965900864 Cum (Cubic Meter)	
Amount					5.5985965900864 X 12287.656843765		68793.63	

**8. 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	11.500	0.000	0.000	0.000	11.500	-
Total Quantity					11.5 Qntl (Quintal)		11.5 Qntl (Quintal)	
Amount					11.5 X 8701.6241546		100068.68	

**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/cm<sup>2</sup> 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	Brick Work	2.000	21.500	1.660	0.750	0.000	53.535	-

ii	Brick work	2.000	16.160	1.660	0.750	0.000	40.238	-
iii	Brick work	2.000	20.330	1.500	0.750	0.000	45.743	-
iv	Brik work	2.000	16.330	1.500	0.750	0.000	36.743	-
v	Column	4.000	1.500	1.500	1.500	0.000	13.500	-
Total Quantity					189.7584 Cft (Cubic Foot)		5.37335066112 Cum (Cubic Meter)	
Amount					5.37335066112 X 5117.64871324		27498.92	

**10. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)**

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Priming	1.000	1200.000	0.000	0.000	0.000	1200.000	-
Total Quantity					1200 Sft (Square Foot)		111.4836 Sqm (Square Meter)	
Amount					111.4836 X 71.83753306751		8008.71	

**11. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)**

Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Colouring	1.000	1200.000	0.000	0.000	0.000	1200.000	-
Total Quantity					1200 Sft (Square Foot)		111.4836 Sqm (Square Meter)	
Amount					111.4836 X 57.566948084086		6417.77	
Total Amount							332241.65	

<b>Addition</b>	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	3389.00
Display Citizen Board (+) @	2000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	1284.00
<b>Total Addition</b>	<b>6673.00</b>
<b>Grand Net Total Amount</b>	<b>338914.65</b>

**Tikanath Bhaisa**  
**JE**  
**Rengali Block**

**Sanatan Kechhu**  
**AEE**  
**Rengali Block**

**Pritam Kumar Tanty**  
**BDO**  
**Rengali Block**