

## Detailed Estimate

**OD/359/3433/119018/416964/00072307 : Construction of GP Godown at Tumudibandha**

**Block : Tumudibandh, Gram Panchayat : Tumudibandh**

**Created By:Pranya**

<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	Column	10.000	4.000	4.000	4.000	0.000	640.000	-	
ii	wall	8.000	8.170	2.500	2.500	0.000	408.500	-	
iii		2.000	9.330	2.500	2.500	0.000	116.625	-	
Total Quantity					1165.125 Cft (Cubic Foot)		32.9926116 Cum (Cubic Meter)		
Amount					32.9926116 X 240.77592		7943.83		
<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	Column	10.000	4.000	4.000	0.500	0.000	80.000	-	
ii	Wall	8.000	8.170	2.500	0.500	0.000	81.700	-	
iii		2.000	9.330	2.500	0.500	0.000	23.325	-	
iv		1.000	48.000	12.500	1.170	0.000	702.000	-	
Total Quantity					887.025 Cft (Cubic Foot)		25.11770952 Cum (Cubic Meter)		
Amount					25.11770952 X 513.547832		12899.15		

**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	Column	10.000	4.000	4.000	0.500	0.000	80.000	-
ii	Wall	8.000	10.170	2.500	0.500	0.000	101.700	-
iii		2.000	11.330	2.500	0.500	0.000	28.325	-
iv		1.000	48.000	12.500	0.330	0.000	198.000	-
Total Quantity					408.025 Cft (Cubic Foot)		11.55396232 Cum (Cubic Meter)	
Amount					11.55396232 X 5049.97221894		58347.19	

**4. Masonry Stone Work (AR0703) : Random rubble H.G. stone of masonry.**

Random rubble H.G. stone of size not less than 0.0025 cum stacked masonry in cement mortar (1:6) in foundation and plinth including watering, curing for seven days 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	Wall 1st footing	8.000	10.170	2.000	0.500	0.000	81.360	-
ii		2.000	11.330	2.000	0.500	0.000	22.660	-
iii		8.000	11.330	2.000	1.000	0.000	181.280	-
iv		2.000	12.500	2.000	1.000	0.000	50.000	-
v	Wall 2nd footing	8.000	11.330	1.330	1.000	0.000	120.551	-
vi		2.000	12.500	1.330	1.000	0.000	33.250	-
Total Quantity					489.1012 Cft (Cubic Foot)		13.84978086016 Cum (Cubic Meter)	

<b>Amount</b>		<b>13.84978086016 X 4047.9948629186</b>					<b>56063.84</b>	
<b>5. R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base	10.000	4.000	4.000	1.000	0.000	160.000	-
ii		10.000	2.000	2.000	1.000	0.000	40.000	-
Total Quantity					200 Cft (Cubic Foot)		5.66336 Cum (Cubic Meter)	
<b>Amount</b>		<b>5.66336 X 5842.2856614759</b>					<b>33086.97</b>	
<b>6. 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	8.000	11.330	0.830	0.670	0.000	50.405	-
ii		2.000	12.500	0.830	0.670	0.000	13.903	-
Total Quantity					64.307404 Cft (Cubic Foot)		1.8209798975872 Cum (Cubic Meter)	
<b>Amount</b>		<b>1.8209798975872 X 6599.659907804</b>					<b>12017.85</b>	
<b>7. 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	Column	10.000	0.830	0.830	13.000	0.000	89.557	-
ii	Beam	8.000	11.330	0.830	0.500	0.000	37.616	-
iii		2.000	12.500	0.830	0.500	0.000	10.375	-
iv		3.000	12.500	0.830	0.830	0.000	25.834	-
v		5.000	5.000	0.830	0.500	0.000	10.375	-
Total Quantity					173.75635 Cft (Cubic Foot)		4.92022381168 Cum (Cubic Meter)	
Amount					4.92022381168 X 13901.975181931		68400.83	

**8. R.C.C. Work (AR0404Ad) : 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 Lintels)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	8.000	11.330	0.830	0.500	0.000	37.616	-
ii		2.000	12.500	0.830	0.500	0.000	10.375	-
Total Quantity					47.9906 Cft (Cubic Foot)		1.35894022208 Cum (Cubic Meter)	
Amount					1.35894022208 X 12512.274093489		17003.43	

**9. 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	Slab	1.000	50.670	19.160	0.420	0.000	407.752	-

ii	Chajja	4.000	4.500	1.500	0.210	0.000	5.670	-
Total Quantity					413.421624 Cft (Cubic Foot)		11.706777442483 Cum (Cubic Meter)	
Amount					11.706777442483 X 12150.028016893		142237.67	
<b>10. 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</b>								
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	LS	1.000	25.470	0.000	0.000	0.000	25.470	-
Total Quantity					25.47 Qntl (Quintal)		25.47 Qntl (Quintal)	
Amount					25.47 X 9539.0373645		242959.28	
<b>11. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>								
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/cm <sup>2</sup> with dimensional tolerance $\pm 8$ 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	Wall	8.000	11.330	0.830	9.500	0.000	714.696	-
ii		2.000	12.500	0.830	9.500	0.000	197.125	-
iii	Door	2.000	4.000	0.830	7.000	0.000	-	46.480
iv	Window	6.000	3.500	0.830	3.250	0.000	-	56.648
v	Lintel	8.000	11.330	0.830	0.500	0.000	-	37.616
vi		2.000	12.500	0.830	0.500	0.000	-	10.375
Total Quantity					760.7033 Cft (Cubic Foot)		21.54068320544 Cum (Cubic Meter)	

<b>Amount</b>		21.54068320544 X 4963.011830192		106906.67				
<b>12. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								
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	49.670	0.000	10.000	0.000	993.400	-
ii		2.000	14.170	0.000	10.000	0.000	283.400	-
iii	Door	1.000	4.000	0.000	7.000	0.000	-	28.000
iv	Window	3.000	3.500	0.000	3.250	0.000	-	34.125
Total Quantity					1214.675 Sft (Square Foot)		112.846951525 Sqm (Square Meter)	
<b>Amount</b>		112.846951525 X 168.9523716388		19065.76				
<b>13. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>								
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	Inside	2.000	48.000	0.000	10.000	0.000	960.000	-
ii		2.000	12.500	0.000	10.000	0.000	250.000	-
iii	Door	1.000	4.000	0.000	7.000	0.000	-	28.000
iv	Window	3.000	3.500	0.000	3.250	0.000	-	34.125
Total Quantity					1147.875 Sft (Square Foot)		106.641031125 Sqm (Square Meter)	
<b>Amount</b>		106.641031125 X 243.025967498		25916.54				
<b>14. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside.</b>								

20mm thick cement Plaster in CM (1:4) over stone 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	Slab	1.000	50.670	19.170	0.000	0.000	971.344	-
Total Quantity					971.3439 Sft (Square Foot)		90.2407623417 Sqm (Square Meter)	
Amount					90.2407623417 X 267.0324898784		24097.22	

**15. Other Building Items. (AR1901B) : Vitrified Tile 600mmx600mm Plain Ivory**

Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	48.000	12.500	0.000	0.000	600.000	-
Total Quantity					600 Sft (Square Foot)		55.7418 Sqm (Square Meter)	
Amount					55.7418 X 1005.0536542194		56023.50	

**16. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)**

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	2.000	48.000	0.000	0.500	0.000	48.000	-
ii		2.000	12.500	0.000	0.500	0.000	12.500	-
iii	Door	1.000	4.000	0.000	0.500	0.000	2.000	-
Total Quantity					62.5 Sft (Square Foot)		5.8064375 Sqm (Square Meter)	

<b>Amount</b>					<b>5.8064375 X 1527.533487536</b>	<b>8869.53</b>		
<b>17. Iron Work (AR1704) : Iron Doors and windows fixing</b>								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	2.000	4.000	0.000	6.500	3.000	156.000	-
ii	Window	6.000	3.500	0.000	3.250	4.000	273.000	-
Total Quantity					429 Kg (Kilo Gram)		4.29 Qntl (Quintal)	
<b>Amount</b>					<b>4.29 X 16828.961197087</b>	<b>72196.24</b>		
<b>18. 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)</b>								
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	INside	2.000	48.000	0.000	10.000	0.000	960.000	-
ii		2.000	12.500	0.000	10.000	0.000	250.000	-
iii	Out side	2.000	49.670	0.000	10.000	0.000	993.400	-
iv		2.000	14.170	0.000	10.000	0.000	283.400	-
v	Ceiling	1.000	48.000	12.500	0.000	0.000	600.000	-
vi	Door	2.000	4.000	0.000	7.000	0.000	-	56.000
vii	Window	6.000	3.500	0.000	3.250	0.000	-	68.250
Total Quantity					2962.55 Sft (Square Foot)		275.22978265 Sqm (Square Meter)	
<b>Amount</b>					<b>275.22978265 X 57.95065103829</b>	<b>15949.75</b>		

**19. Painting (AR0903a) : Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside)**

Painting two coats of enamel paint with a coat of wood primer in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	4.500	4.000	0.000	6.500	0.000	117.000	-
ii	Window	16.500	3.500	0.000	3.250	0.000	187.688	-
Total Quantity					304.6875 Sft (Square Foot)		28.3063828125 Sqm (Square Meter)	
Amount					28.3063828125 X 234.31316764323		6632.56	
<b>Total Amount</b>							<b>986617.79</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							9866.18	
Display Citizen Board (+) @							3516.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>13382.18</b>	
<b>Grand Net Total Amount</b>							<b>999999.97</b>	

Pranya  
JE  
Tumudibandh Block

Saroj Kumar Sabat  
AEE  
Tumudibandh Block

BANABIHARI HARAPAL  
BDO  
Tumudibandh Block