

Detailed Estimate

OD/351/3348/117232/383241/00062881 : Construction of market complex at sado

Block : Tileibani, Gram Panchayat : Sodo

Created By:T GOPAL KRUSHNA SARABA

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	COLUMN	9.000	1.200	1.200	1.200	0.000	15.552	-
ii	L/W	2.000	3.750	0.600	0.600	0.000	2.700	-
iii	S/W	2.000	2.550	0.600	0.600	0.000	1.836	-
iv	S/W	1.000	4.230	0.600	0.600	0.000	1.523	-
v	L/W	2.000	2.050	0.600	0.600	0.000	1.476	-
vi	S/W	2.000	2.550	0.600	0.600	0.000	1.836	-
Total Quantity					24.9228 cum (cum)		24.9228 Cum (Cubic Meter)	
Amount					24.9228 X 240.77592		6000.81	
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	COLUMN	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	L/W	2.000	3.750	0.600	0.150	0.000	0.675	-
iii	S/W	2.000	2.550	0.600	0.150	0.000	0.459	-
iv	S/W	1.000	4.250	0.600	0.150	0.000	0.383	-

v	L/W	2.000	2.050	0.600	0.600	0.000	1.476	-
vi	S/W	2.000	2.550	0.600	0.600	0.000	1.836	-
Total Quantity					6.7725 cum (cum)		6.7725 Cum (Cubic Meter)	
Amount					6.7725 X 459.401732		3111.30	

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	COLUMN	9.000	1.200	1.200	0.150	0.000	1.944	-
ii	L/W	2.000	3.750	0.600	0.150	0.000	0.675	-
iii	S/W	2.000	2.550	0.600	0.150	0.000	0.459	-
iv	S/W	1.000	4.250	0.600	0.150	0.000	0.383	-
v	L/W	2.000	2.050	0.600	0.150	0.000	0.369	-
vi	S/W	2.000	2.550	0.600	0.150	0.000	0.459	-
vii	FLOOR	1.000	4.700	3.500	0.150	0.000	2.468	-
viii	FLOOR	1.000	5.180	2.100	0.100	0.000	1.088	-
ix	FLOOR	1.000	3.500	3.000	0.100	0.000	1.050	-
Total Quantity					8.8938 cum (cum)		8.8938 Cum (Cubic Meter)	
Amount					8.8938 X 6015.57438038		53501.32	

4. 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
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i	L/W	2.000	4.700	0.250	2.700	0.000	6.345	-	
ii	S/W	2.000	3.500	0.250	2.700	0.000	4.725	-	
iii	S/W	1.000	2.100	0.250	2.700	0.000	1.418	-	
iv	S/W	2.000	3.500	0.250	2.700	0.000	4.725	-	
v	S/W	2.000	3.000	0.250	2.700	0.000	4.050	-	
vi	ABOVE VAR BEAM	1.000	5.200	0.250	0.400	0.000	0.520	-	
vii		1.000	2.100	2.400	0.250	0.000	-	1.260	
viii		1.000	2.000	1.200	0.250	0.000	-	0.600	
ix		1.000	3.000	2.400	0.250	0.000	-	1.800	
Total Quantity					18.1225 cum (cum)		18.1225 Cum (Cubic Meter)		
Amount					18.1225 X 5620.191983584		101851.93		

5. 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/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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L/W	2.000	4.700	0.600	0.600	0.000	3.384	-
ii	2ND FOOTING	2.000	4.700	0.375	0.450	0.000	1.586	-
iii	S/W 1ST	1.000	2.100	0.600	0.600	0.000	0.756	-
iv	2ND	1.000	2.100	0.375	0.450	0.000	0.354	-
v	2ND FOOTING	2.000	3.500	0.600	0.660	0.000	2.772	-
vi	2NDFOOTING	2.000	3.500	0.575	0.450	0.000	1.811	-
vii	1ST FOOTING	2.000	3.000	0.600	0.600	0.000	2.160	-

viii	2ND FOOTING	2.000	3.000	0.375	0.450	0.000	1.013	-
ix	1ST	1.000	5.200	0.600	0.600	0.000	1.872	-
x	2ND FOOTING	1.000	5.200	0.375	0.450	0.000	0.878	-
Total Quantity					16.585875 cum (cum)		16.585875 Cum (Cubic Meter)	
Amount					16.585875 X 5586.861983584		92662.99	

6. 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	COLUMN	9.000	1.200	1.200	0.300	0.000	3.888	-
ii	COLUMN	9.000	0.750	0.750	0.300	0.000	1.519	-
iii	COLUMN	9.000	0.750	0.750	0.300	0.000	1.519	-
iv	COLUMN	9.000	0.450	0.450	0.300	0.000	0.547	-
Total Quantity					7.47225 cum (cum)		7.47225 Cum (Cubic Meter)	
Amount					7.47225 X 6560.5593527253		49022.14	

7. R.C.C. Work (AR0404Ab) : 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 Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PLINTH BEAM	2.000	4.720	0.250	0.250	0.000	0.590	-
ii	PLINTH BEAM	2.000	3.500	0.250	0.250	0.000	0.438	-

iii	PLINTH BEAM	2.000	2.100	0.250	0.250	0.000	0.263	-
iv	PLINTH BEAM	1.000	5.200	0.250	0.250	0.000	0.325	-
v	PLINTH BEAM	2.000	3.500	0.250	0.250	0.000	0.438	-
vi	BEAM	2.000	3.000	0.250	0.250	0.000	0.375	-
vii	BEAM	1.000	1.420	0.250	0.250	0.000	0.089	-
Total Quantity					2.51625 cum (cum)		2.51625 Cum (Cubic Meter)	
Amount					2.51625 X 7317.6023263416		18412.92	

8. R.C.C. Work (AR0404Ac) : 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 Beams, Column, Girder & Bressmer etc)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	COLUMN	9.000	0.250	0.250	2.700	0.000	1.519	-
ii	ROOF BEND	2.000	4.720	0.250	0.150	0.000	0.354	-
iii	ROOF BEND	2.000	3.500	0.250	0.150	0.000	0.263	-
iv	ROOF BEND	1.000	5.200	0.250	0.150	0.000	0.195	-
v	ROOF BEND	2.000	3.500	0.250	0.150	0.000	0.263	-
vi	ROOF BEND	2.000	3.000	0.250	0.150	0.000	0.225	-
vii	ROOF BEND	1.000	4.200	0.250	0.150	0.000	0.158	-
Total Quantity					2.97525 cum (cum)		2.97525 Cum (Cubic Meter)	
Amount					2.97525 X 14617.887193299		43491.87	

9. 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	2.000	4.720	0.250	0.150	0.000	0.354	-
ii	LINTEL	2.000	3.500	0.250	0.150	0.000	0.263	-
iii	LINTEL	2.000	2.100	0.250	0.150	0.000	0.158	-
iv	LINTEL	1.000	5.200	0.250	0.250	0.000	0.325	-
v	LINTEL	2.000	3.500	0.250	0.250	0.000	0.438	-
vi	LINTEL	2.000	3.000	0.250	0.250	0.000	0.375	-
vii	LINTEL	1.000	1.420	0.250	0.150	0.000	0.053	-
Total Quantity					1.96475 cum (cum)		1.96475 Cum (Cubic Meter)	
Amount					1.96475 X 13227.125262649		25987.99	

10. 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	4.300	5.380	0.125	0.000	2.892	-
ii	ROOF SLAB	1.000	5.800	2.500	0.125	0.000	1.813	-
iii	ROOF SLAB	1.000	4.300	3.700	0.125	0.000	1.989	-
Total Quantity					6.693 cum (cum)		6.693 Cum (Cubic Meter)	
Amount					6.693 X 12864.786937526		86104.02	

11. 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	FLOOR HALL	1.000	4.700	3.500	0.000	0.000	16.450	-
ii	D	1.000	5.180	2.100	0.000	0.000	10.878	-
iii	FLOOR	1.000	3.500	3.000	0.000	0.000	10.500	-
Total Quantity					37.828 Sqm (Sqm)		37.828 Sqm (Square Meter)	
Amount					37.828 X 1035.9901215158		39189.43	

12. 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	WALL	2.000	4.700	0.150	0.000	0.000	1.410	-
ii		2.000	3.500	0.150	0.000	0.000	1.050	-
iii		2.000	3.500	0.150	0.000	0.000	1.050	-
iv		2.000	3.000	0.150	0.000	0.000	0.900	-
v		2.000	5.180	0.150	0.000	0.000	1.554	-
vi		2.000	2.000	0.150	0.000	0.000	0.600	-
vii	STEP	1.000	5.180	0.600	0.000	0.000	3.108	-
viii		2.000	5.150	0.150	0.000	0.000	1.545	-
Total Quantity					11.217 Sqm (Sqm)		11.217 Sqm (Square Meter)	
Amount					11.217 X 1550.903011966		17396.48	

13. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	ROOM	2.000	8.200	0.000	3.000	0.000	49.200	-
ii		2.000	6.500	0.000	3.000	0.000	39.000	-
iii		0.000	9.380	0.000	3.000	0.000	28.140	-
iv	D	1.000	2.100	0.000	2.400	0.000	-	5.040
v		1.000	2.000	0.000	1.200	0.000	-	2.400
vi		1.000	3.000	0.000	2.400	0.000	-	7.200
Total Quantity					101.7 Sqm (Sqm)		101.7 Sqm (Square Meter)	
Amount					101.7 X 260.888589946		26532.37	

14. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	WALL	1.000	6.400	3.100	0.000	0.000	19.840	-
ii		1.000	4.000	3.100	0.000	0.000	12.400	-
iii		1.000	4.970	3.100	0.000	0.000	15.407	-
iv		1.000	1.420	3.100	0.000	0.000	4.402	-
v		1.000	1.350	3.100	0.000	0.000	4.185	-
vi		2.000	3.500	3.100	0.000	0.000	21.700	-
vii		1.000	4.000	3.100	0.000	0.000	12.400	-
Total Quantity					90.334 Sqm (Sqm)		90.334 Sqm (Square Meter)	

Amount					90.334 X 183.8389019076	16606.90		
15. Painting (AR0901a) : Priming one coat in inner surface with primer of approved quality over woodwork								
Priming one coat in inner surface with primer of approved quality over woodwork 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	12MM PLASTER AREA	0.000	0.000	0.000	0.000	90.330	90.330	-
ii	16 MM PLASTER AREA	0.000	0.000	0.000	0.000	117.240	117.240	-
iii	CEILLING PLASTER	1.000	4.700	3.500	0.000	0.000	16.450	-
iv		1.000	3.500	3.000	0.000	0.000	10.500	-
v		1.000	5.180	2.100	0.000	0.000	10.878	-
vi	16MM PLASTER	0.000	0.000	0.000	0.000	117.240	117.240	-
Total Quantity					362.638 Sqm (Sqm)		362.638 Sqm (Square Meter)	
Amount					362.638 X 70.11696435371		25427.08	
16. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer								
Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, 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	12MM PLASTER AREA	0.000	0.000	0.000	0.000	90.330	90.330	-
Total Quantity					90.33 Sqm (Sqm)		90.33 Sqm (Square Meter)	
Amount					90.33 X 160.80580062371		14525.59	
17. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface								

Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty 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	D	1.000	2.100	2.400	2.750	0.000	13.860	-
ii	W	1.000	2.000	1.200	2.750	0.000	6.600	-
iii	W GRILL	1.000	3.000	2.400	2.750	0.000	19.800	-
Total Quantity					40.26 Sqm (Sqm)		40.26 Sqm (Square Meter)	
Amount					40.26 X 230.24951907903		9269.85	

18. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	CEILLING PLASTER	1.000	4.700	3.500	0.000	0.000	16.450	-
ii	CEILLING PLASTER	1.000	3.500	3.000	0.000	0.000	10.500	-
iii	CEILLING PLASTER	1.000	5.180	2.100	0.000	0.000	10.878	-
Total Quantity					37.828 Sqm (Sqm)		37.828 Sqm (Square Meter)	
Amount					37.828 X 79.21834		2996.67	

19. Painting (AR0922) : Finishing wall two coats with distemper of approved shades on new work (Inside)

Finishing wall two coats with distemper of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	PUTTY	0.000	0.000	0.000	0.000	37.820	37.820	-
Total Quantity					37.82 Sqm (Sqm)		37.82 Sqm (Square Meter)	

Amount					37.82 X 78.94059505	2985.53		
20. 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	QTY	0.000	0.000	0.000	0.000	25.000	25.000	-
Total Quantity					25 Qntl (Quintal)		25 Qntl (Quintal)	
Amount					25 X 9211.006686		230275.17	
21. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over brick work in inside.								
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		1.000	4.300	5.380	0.000	0.000	23.134	-
ii		1.000	5.800	2.500	0.000	0.000	14.500	-
iii		1.000	4.300	3.700	0.000	0.000	15.910	-
Total Quantity					53.544 Sqm (Sqm)		53.544 Sqm (Square Meter)	
Amount					53.544 X 287.1368103968		15374.45	
Total Amount							880726.81	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							25000.00	
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							1500.00	

Any Other Lumpsum (+) @	82773.00
Provision for survey investigation and quality control (+) @	
Total Addition	119273.00
Grand Net Total Amount	999999.81

T GOPAL KRUSHNA SARABA
JE
Tileibani Block

DARSHAN KUMAR PUROHIT
AEE
Tileibani Block

Priyadarshani Mirdha
BDO
Tileibani Block