

## Detailed Estimate

**OD/356/3403/118505/400408/00064469 : CONST. OF BUS STAND SHED AT LEMBO**

**Block : Sukinda, Gram Panchayat : Lambo**

**Created By:Smruti Sucharita Krishnamurty**

<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	col	5.000	1.200	1.200	1.200	0.000	8.640	-	
ii	Long wall	2.000	6.850	0.760	0.760	0.000	7.913	-	
iii	Short wall	2.000	2.280	0.760	0.760	0.000	2.634	-	
iv	col	5.000	1.200	0.760	0.760	0.000	-	3.466	
<b>Total Quantity</b>					<b>15.721376 cum (cum)</b>		<b>15.721376 Cum (Cubic Meter)</b>		
<b>Amount</b>					<b>15.721376 X 240.77592</b>		<b>3785.33</b>		
<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	Col	5.000	1.200	1.200	0.100	0.000	0.720	-	
ii	LW	2.000	6.850	0.760	0.100	0.000	1.041	-	
iii	SW	2.000	2.280	0.760	0.100	0.000	0.347	-	
iv	Room	1.000	5.840	2.790	0.760	0.000	12.383	-	
v	Col	5.000	1.200	0.760	0.100	0.000	-	0.456	

Total Quantity	14.034896 cum (cum)	14.034896 Cum (Cubic Meter)
Amount	14.034896 X 1172.653632	16458.07

### 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	5.000	1.200	1.200	0.100	0.000	0.720	-
ii	LW	2.000	6.850	0.760	0.100	0.000	1.041	-
iii	SW	2.000	2.280	0.760	0.100	0.000	0.347	-
iv	ROOM	1.000	5.840	2.790	0.100	0.000	1.629	-
v	COL	5.000	1.200	0.760	0.100	0.000	-	0.456

Total Quantity	3.28112 cum (cum)	3.28112 Cum (Cubic Meter)
Amount	3.28112 X 6175.10251486	20261.25

### 4. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	LW	2.000	6.590	0.500	0.250	0.000	1.648	-
ii	SW	2.000	2.540	0.500	0.250	0.000	0.635	-
iii	LW	2.000	6.470	0.380	0.250	0.000	1.229	-
iv	SW	2.000	2.660	0.380	0.250	0.000	0.505	-
v	LW	2.000	6.340	0.250	0.660	0.000	2.092	-

vi	SW	2.000	2.790	0.250	0.660	0.000	0.921	-	
vii	COL	3.000	0.250	0.250	0.900	0.000	-	0.169	
viii		2.000	0.300	0.250	0.900	0.000	-	0.135	
Total Quantity					6.72635 cum (cum)		6.72635 Cum (Cubic Meter)		
Amount					6.72635 X 5105.018684248		34338.14		

**5. 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/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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	LW	1.000	6.340	0.250	2.890	0.000	4.581	-	
ii	SW	2.000	5.840	0.250	1.200	0.000	3.504	-	
iii	COL	3.000	0.250	0.250	2.890	0.000	-	0.542	
iv	step	3.000	0.900	0.300	0.300	0.000	0.243	-	
v	ramp	1.000	7.200	0.250	0.600	0.000	1.080	-	
Total Quantity					8.865775 cum (cum)		8.865775 Cum (Cubic Meter)		
Amount					8.865775 X 5138.348684248		45555.44		

**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.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	3.000	1.060	1.060	0.250	0.000	0.843	-

ii		2.000	1.060	1.060	0.250	0.000	0.562	-
Total Quantity					1.4045 Cft (Cubic Foot)		0.0397709456 Cum (Cubic Meter)	
Amount					0.0397709456 X 6721.4890554143		267.32	
<b>7. 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	LW	2.000	6.340	0.250	0.250	0.000	0.793	-
ii	SW	2.000	2.790	0.250	0.250	0.000	0.349	-
Total Quantity					1.14125 cum (cum)		1.14125 Cum (Cubic Meter)	
Amount					1.14125 X 7478.8633017424		8535.25	
<b>8. 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	col	3.000	0.250	0.250	4.140	0.000	0.776	-
ii		2.000	0.300	0.250	4.140	0.000	0.621	-
iii	Beam	2.000	6.340	0.250	0.250	0.000	0.793	-
iv		3.000	2.790	0.250	0.250	0.000	0.523	-
Total Quantity					2.712875 cum (cum)		2.712875 Cum (Cubic Meter)	
Amount					2.712875 X 14781.178575869		40099.49	

**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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Roof	1.000	6.640	3.590	0.120	0.000	2.861	-
ii	seating slab	1.000	11.420	0.600	0.070	0.000	0.480	-
iii	do	1.000	6.640	0.300	0.070	0.000	0.139	-
Total Quantity					3.479592 cum (cum)		3.479592 Cum (Cubic Meter)	
Amount					3.479592 X 13029.231410832		45336.41	

**10. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)**

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	col	2.000	1.100	0.000	3.040	0.000	6.688	-
ii	beam	3.000	2.790	0.750	0.000	0.000	6.278	-
iii	beam	1.000	5.840	0.750	0.000	0.000	4.380	-
Total Quantity					17.3455 Sqm (Sqm)		17.3455 Sqm (Square Meter)	
Amount					17.3455 X 192.7722385048		3343.73	

**11. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside**

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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	wall	1.000	5.840	0.000	3.650	0.000	21.316	-	
ii		2.000	3.290	0.000	1.820	0.000	11.976	-	
iii		1.000	5.840	0.000	0.600	0.000	3.504	-	
Total Quantity					36.7956 Sqm (Sqm)		36.7956 Sqm (Square Meter)		
Amount					36.7956 X 176.8783060772		6508.34		

**12. 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	wall	1.000	5.840	0.000	3.040	0.000	17.754	-	
ii		2.000	2.790	0.000	1.200	0.000	6.696	-	
Total Quantity					24.4496 Sqm (Sqm)		24.4496 Sqm (Square Meter)		
Amount					24.4496 X 252.536032962		6174.40		

**13. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	floor	1.000	5.840	2.790	0.000	0.000	16.294	-	
Total Quantity					16.2936 Sqm (Sqm)		16.2936 Sqm (Square Meter)		
Amount					16.2936 X 1018.6282783586		16597.12		

**14. Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm conforming 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 conforming 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	1.000	5.840	0.000	1.520	0.000	8.877	-
ii		2.000	2.790	0.000	1.200	0.000	6.696	-
iii	col	2.000	0.900	0.000	1.200	0.000	2.160	-
Total Quantity					17.7328 Sqm (Sqm)		17.7328 Sqm (Square Meter)	
Amount					17.7328 X 1536.741499572		27250.73	

**15. Flooring (AR0816j) : Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1**

Fixing Chequered Tiles in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ramp	1.000	1.500	0.900	0.000	0.000	1.350	-
ii	step	3.000	0.900	0.300	0.000	0.000	0.810	-
iii		4.000	0.900	0.300	0.000	0.000	1.080	-
iv	outer	1.000	5.440	0.760	0.000	0.000	4.134	-
Total Quantity					7.3744 Sqm (Sqm)		7.3744 Sqm (Square Meter)	
Amount					7.3744 X 957.8269769958		7063.40	

**16. 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	wall	1.000	6.340	0.000	1.820	0.000	11.539	-

ii	col	2.000	1.100	0.000	1.820	0.000	4.004	-
iii	ceiling	1.000	5.840	2.790	0.000	0.000	16.294	-
Total Quantity					31.8364 Sqm (Sqm)		31.8364 Sqm (Square Meter)	
Amount					31.8364 X 71.55359310071		2278.01	
<b>17. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>								
Finishing wall two coats with plastic emulsion paint 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	wall	1.000	6.340	0.000	1.820	0.000	11.539	-
ii	col	2.000	1.100	0.000	1.820	0.000	4.004	-
iii	ceiling	1.000	5.840	2.790	0.000	0.000	16.294	-
Total Quantity					31.8364 Sqm (Sqm)		31.8364 Sqm (Square Meter)	
Amount					31.8364 X 94.7706419375		3017.16	
<b>18. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer</b>								
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	Back wall	1.000	6.340	0.000	3.650	0.000	23.141	-
ii	Front wall	1.000	6.340	0.000	1.200	0.000	7.608	-
iii	side wall	2.000	3.290	0.000	1.820	0.000	11.976	-
Total Quantity					42.7246 Sqm (Sqm)		42.7246 Sqm (Square Meter)	
Amount					42.7246 X 160.20743549879		6844.80	
<b>19. Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm</b>								

Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect. and as per direction of Engineer in Charge

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Railing	1.000	6.340	0.000	0.100	0.000	0.634	-
Total Quantity					0.634 DM (Decimtr)		6.34 Rmt (Meter)	
<b>Amount</b>					<b>6.34 X 3129.0244276074</b>		<b>19838.01</b>	

**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	Rod	0.000	9.000	0.000	0.000	0.000	9.000	-
Total Quantity					9 Qntl (Quintal)		9 Qntl (Quintal)	
<b>Amount</b>					<b>9 X 8444.999052</b>		<b>76004.99</b>	
<b>Total Amount</b>							<b>389557.41</b>	

**Addition**

Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							3895.57	
Display Citizen Board (+) @							5000.00	
Any Other Lumpsum (+) @							1547.00	
Provision for survey investigation and quality control (+) @								
<b>Total Addition</b>							<b>10442.57</b>	

<b>Grand Net Total Amount</b>	<b>399999.98</b>
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**JE  
Sukinda Block**

**Asish Kumar Biswal  
AEE  
Sukinda Block**

**Prangyan Primita Prusty  
BDO  
Sukinda Block**