

## Detailed Estimate

**OD/364/3484/120004/430337/00015474 : Provision of Facility Centre at Sindhrimal GP Hqrs**

**Block : Malkangiri, Panchayat : Sindrimal**

**Created By:Er. BIBHUTI BHUSAN ROUT**

<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	Wall	1.000	46.950	0.600	0.700	0.000	19.719	-
ii	Coloumns	9.000	1.200	1.200	1.200	0.000	15.552	-
iii	Lat tank	1.000	3.000	2.500	1.800	0.000	13.500	-
iv	Ramp	1.000	1.800	2.100	0.400	0.000	1.512	-
v	Coloumns	9.000	1.200	0.600	0.700	0.000	-	4.536
<b>Total Quantity</b>					<b>45.747 cum (cum)</b>		<b>45.747 Cum (Cubic Meter)</b>	
<b>Amount</b>					<b>45.747 X 235.56432</b>		<b>10776.36</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	Wal	1.000	46.950	0.600	0.150	0.000	4.226	-
ii	Coloumns	9.000	1.200	1.200	0.150	0.000	1.944	-
iii	Waiting hall	1.000	3.800	6.800	0.300	0.000	7.752	-
iv		1.000	3.500	3.200	0.300	0.000	3.360	-
v	Toilet	2.000	1.800	3.200	0.300	0.000	3.456	-
vi	Tank	1.000	3.000	2.500	0.300	0.000	2.250	-
vii	Ramp	1.000	2.100	1.800	0.250	0.000	0.945	-

viii	Coloumns	9.000	1.200	0.600	0.150	0.000	-	0.972
Total Quantity					22.9605 cum (cum)		22.9605 Cum (Cubic Meter)	
Amount					22.9605 X 580.009872		13317.32	
<b>3. Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal</b>								
Cement concrete (1:4:8) 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	Wall	1.000	46.950	0.600	0.150	0.000	4.226	-
ii	Footing	1.000	46.950	0.400	0.970	0.000	18.217	-
iii	Coloumns	9.000	1.200	1.200	0.150	0.000	1.944	-
iv	Plinth hall	1.000	3.800	6.800	0.100	0.000	2.584	-
v	hall	1.000	3.800	3.200	0.100	0.000	1.216	-
vi	Toilet	2.000	1.800	3.200	0.100	0.000	1.152	-
vii	Deduct	9.000	1.200	1.200	0.150	0.000	-	1.944
viii	Coloumns	9.000	0.230	0.230	0.970	0.000	0.462	-
Total Quantity					27.855917 cum (cum)		27.855917 Cum (Cubic Meter)	
Amount					27.855917 X 5299.73524216		147628.99	
<b>4. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centering and shuttering)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	9.000	1.200	1.200	0.300	0.000	3.888	-
ii	Base	9.000	0.600	0.600	0.200	0.000	0.648	-
iii	Plinthbend	1.000	46.950	0.300	0.230	0.000	3.240	-

iv	Lintel	1.000	46.950	0.230	0.150	0.000	1.620	-
v	Wall beam	1.000	46.950	0.230	0.230	0.000	2.484	-
vi	Slab	1.000	9.000	7.800	0.125	0.000	8.775	-
vii	Staircase	1.000	4.500	1.350	0.150	0.000	0.911	-
viii	Steps	24.000	1.350	0.250	0.200	0.000	1.620	-
ix	Coloumns	9.000	0.350	0.350	4.250	0.000	4.686	-
x	Beam	1.000	6.950	0.230	0.400	0.000	0.639	-
Total Quantity					28.510255 cum (cum)		28.510255 Cum (Cubic Meter)	
Amount					28.510255 X 6172.7294458674		175986.09	

**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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Rod	1.000	27.000	0.000	0.000	0.000	27.000	-
Total Quantity					27 Qntl (Quintal)		27 Qntl (Quintal)	
Amount					27 X 8710.1454337		235173.93	

**6. Masonry Brick Work (AR0603di) : C.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure**

Brickwork with C.B. 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> 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	Wall	1.000	46.950	0.230	2.770	0.000	29.912	-
ii	Deduct Coloumns	9.000	0.230	0.230	2.770	0.000	-	1,319
iii	D	2.000	1.050	0.230	2.100	0.000	-	1,014
iv	D2	2.000	0.900	0.230	2.100	0.000	-	0,869

v	Wall	1.000	7.600	0.230	1.350	0.000	-	2.360
vi		1.000	3.350	0.230	1.350	0.000	-	1.040
vii		1.000	3.950	0.230	3.150	0.000	-	2.862
viii		1.000	6.400	0.230	1.300	0.000	-	1.914
Total Quantity					18.533998 cum (cum)		18.533998 Cum (Cubic Meter)	
<b>Amount</b>					<b>18.533998 X 4835.502342416</b>		<b>89621.19</b>	

#### 7. 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> 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	Tank	2.000	2.900	0.230	1.500	0.000	2.001	-
ii	Tank	2.000	1.900	0.230	1.500	0.000	1.311	-
Total Quantity					3.312 cum (cum)		3.312 Cum (Cubic Meter)	
<b>Amount</b>					<b>3.312 X 5124.048232416</b>		<b>16970.85</b>	

#### 8. 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	Outside	2.000	8.660	3.250	0.000	0.000	56.290	-
ii		2.000	7.460	3.250	0.000	0.000	48.490	-
iii	Door	1.000	1.800	2.100	0.500	0.000	-	1.890
iv	open	1.000	7.600	1.350	0.500	0.000	-	5.130
v		1.000	3.350	1.350	0.500	0.000	-	2.261
vi		1.000	6.400	1.350	0.500	0.000	-	4.320
Total Quantity					91.17875 Sqm (Sqm)		91.17875 Sqm (Square Meter)	

<b>Amount</b>						<b>91.17875 X 175.3483474924</b>	<b>15988.04</b>	
<b>9. 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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	inside	1.000	7.900	3.250	0.000	0.000	25.675	-
ii		1.000	6.950	3.250	0.000	0.000	22.588	-
iii		1.000	3.950	3.250	0.000	0.000	12.838	-
iv		3.000	3.350	3.250	0.000	0.000	32.663	-
v		4.000	1.850	3.250	0.000	0.000	24.050	-
vi	D	1.000	1.800	2.100	0.500	0.000	-	1.890
vii	Open	1.000	7.600	1.350	0.500	0.000	-	5.130
viii		1.000	3.350	1.350	0.500	0.000	-	2.261
ix		1.000	6.400	1.350	0.500	0.000	-	4.320
Total Quantity					104.21125 Sqm (Sqm)		104.21125 Sqm (Square Meter)	
<b>Amount</b>						<b>104.21125 X 249.818011054</b>	<b>26033.85</b>	
<b>10. Flooring (AR0817aa) : Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm</b>								
Fixing Vitrified floor 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 tiles including rubbing and polishing complete including cost of precast tiles.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	3.950	6.950	0.000	0.000	27.453	-
ii		1.000	3.950	3.350	0.000	0.000	13.233	-
iii		2.000	1.850	3.350	0.000	0.000	12.395	-
Total Quantity					53.08 Sqm (Sqm)		53.08 Sqm (Square Meter)	

<b>Amount</b>					<b>53.08 X 1658.408724966</b>	<b>88028.34</b>		
<b>11. 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside	1.000	104.210	0.000	0.000	0.000	104.210	-
ii	Celing	1.000	91.180	0.000	0.000	0.000	91.180	-
Total Quantity					195.39 Sqm (Sqm)		195.39 Sqm (Square Meter)	
<b>Amount</b>					<b>195.39 X 99.2420912125</b>		<b>19390.91</b>	
<b>12. Other Building Items. (AR1902) : cement based wall putty (water based)</b>								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside	1.000	104.210	0.000	0.000	0.000	104.210	-
ii	Ceiling	1.000	91.180	0.000	0.000	0.000	91.180	-
Total Quantity					195.39 Sqm (Sqm)		195.39 Sqm (Square Meter)	
<b>Amount</b>					<b>195.39 X 78.13764</b>		<b>15267.31</b>	
<b>13. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)</b>								
Finishing wall with two coat weather coat paint of approved shade in the outer surface of old 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Out side	1.000	91.180	0.000	0.000	0.000	91.180	-
ii	Plinth	1.000	18.000	0.000	0.000	0.000	18.000	-
Total Quantity					109.18 Sqm (Sqm)		109.18 Sqm (Square Meter)	
<b>Amount</b>					<b>109.18 X 86.6889022125</b>		<b>9464.69</b>	

**14. 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 and as per direction of Engineer-in charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	3.950	6.950	0.050	0.000	1.373	-
ii	Room	1.000	3.900	3.350	0.050	0.000	0.653	-
iii	Toilet	2.000	1.850	3.350	0.050	0.000	0.620	-
Total Quantity					2.645625 cum (cum)		2.645625 Cum (Cubic Meter)	
Amount					2.645625 X 7374.38399694		19509.85	
Total Amount							883157.72	
<b>Addition</b>								
Provision for PH Work (+) @							25000.00	
Provision for EI Work (+) @							24000.00	
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							54842.00	
Total Addition							116842.00	
Grand Net Total Amount							999999.72	