

Detailed Estimate

OD/364/3484/119994/430207/00015473 : Provision of Facility Centre at B.L Pur GP Hqrs

Block : Malkangiri, Gram Panchayat : Birlaxmanpur

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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									
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	Column	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	Column	9.000	1.200	0.600	0.700	0.000	-	4.536	
Total Quantity					45.747 cum (cum)		45.747 Cum (Cubic Meter)		
Amount					45.747 X 240.77592		11014.78		
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.									
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	Column	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	Column	9.000	1.200	0.600	0.150	0.000	0.972	-
Total Quantity					24.9045 cum (cum)		24.9045 Cum (Cubic Meter)	
Amount					24.9045 X 515.507232		12838.45	
3. Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal								
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	Bed	1.000	46.960	0.600	0.150	0.000	4.226	-
ii	Footing	1.000	46.960	0.450	0.950	0.000	20.075	-
iii	Coloumns	9.000	1.200	1.200	0.150	0.000	1.944	-
iv	Ramp	1.000	1.800	2.000	0.450	0.000	1.620	-
v	Waiting hall	1.000	3.800	6.800	0.100	0.000	2.584	-
vi		1.000	3.800	3.200	0.100	0.000	1.216	-
vii	Toilet	2.000	1.800	3.200	0.100	0.000	1.152	-
viii	Step	1.000	1.800	0.900	0.450	0.000	0.729	-
ix	Step	1.000	1.800	0.600	0.200	0.000	0.216	-
x	Step	1.000	1.800	0.300	0.200	0.000	0.108	-
xi	Coloumns	9.000	1.200	0.600	0.150	0.000	-	0.972
xii	Coloumns	9.000	0.350	0.350	0.950	0.000	-	1.047
Total Quantity					31.851425 cum (cum)		31.851425 Cum (Cubic Meter)	
Amount					31.851425 X 5181.50607232		165038.35	
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.)								

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		9.000	0.600	0.600	0.250	0.000	0.810	-	
iii	Plinth bend	1.000	46.950	0.250	0.230	0.000	2.700	-	
Total Quantity					7.397625 cum (cum)		7.397625 Cum (Cubic Meter)		
Amount					7.397625 X 6222.5096460425		46031.79		

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	23.290	0.900	0.000	0.000	20.961	-	
Total Quantity					20.961 Qntl (Quintal)		20.961 Qntl (Quintal)		
Amount					20.961 X 8959.50699		187800.23		

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/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	Wall	1.000	46.950	0.230	3.050	0.000	32.935	-
ii	Desduct Coloums	9.000	0.230	0.230	3.050	0.000	-	1.452
iii	D	2.000	1.050	0.230	2.100	0.000	-	1.014
iv	D2	2.000	0.750	0.230	2.100	0.000	-	0.725
v	Grill	1.000	7.600	0.230	1.350	0.000	-	2.360
vi		2.000	3.600	0.230	1.350	0.000	-	2.236
vii		1.000	6.200	0.230	1.350	0.000	-	1.925

Total Quantity			23.22402 cum (cum)				23.22402 Cum (Cubic Meter)	
Amount			23.22402 X 4953.838943532				115048.05	
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 ² 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	Tank L W	2.000	2.900	0.230	1.500	0.000	2.001	-
ii	S W	2.000	1.900	0.230	1.500	0.000	1.311	-
Total Quantity			3.312 cum (cum)				3.312 Cum (Cubic Meter)	
Amount			3.312 X 5242.358321032				17362.69	
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	Deduct D	1.000	1.800	2.100	0.500	0.000	-	1.890
iv	W	1.000	7.600	1.350	0.000	0.000	-	10.260
v		1.000	3.350	1.350	0.000	0.000	-	4.523
vi		1.000	6.400	1.350	0.000	0.000	-	8.640
Total Quantity			79.4675 Sqm (Sqm)				79.4675 Sqm (Square Meter)	
Amount			79.4675 X 172.0481654224				13672.24	
9. 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	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	Deduct	1.000	1.800	2.100	0.500	0.000	-	1.890
vii		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)	
Amount					104.21125 X 245.858513104		25621.22	

10. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall	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	3.250	0.000	0.000	12.025	-
Total Quantity					52.71 Sqm (Sqm)		52.71 Sqm (Square Meter)	
Amount					52.71 X 1661.898759261		87598.68	

11. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

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	265.590	0.000	0.000	0.000	265.590	-
Total Quantity					265.59 Sqm (Sqm)		265.59 Sqm (Square Meter)	
Amount					265.59 X 99.2646079		26363.69	

12. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Building	1.000	141.760	0.000	0.000	0.000	141.760	-
Total Quantity					141.76 Sqm (Sqm)		141.76 Sqm (Square Meter)	
Amount					141.76 X 78.13764		11076.79	

13. Painting (AR0918f) : Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)

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	115.500	0.000	0.000	0.000	115.500	-
Total Quantity					115.5 Sqm (Sqm)		115.5 Sqm (Square Meter)	
Amount					115.5 X 86.68139665		10011.70	

14. 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	Slab	1.000	9.000	7.800	0.125	0.000	8.775	-
ii	Tank slab	1.000	2.800	2.400	0.080	0.000	0.538	-

Total Quantity	9.3126 cum (cum)	9.3126 Cum (Cubic Meter)
Amount	9.3126 X 12894.851316944	120084.59
Total Amount		849563.26
Addition		
Provision for PH Work (+) @		36000.00
Provision for EI Work (+) @		28670.00
Provision for Contingency (+) @		8495.63
Display Citizen Board (+) @		4000.00
Any Other Lumpsum (+) @		73271.00
Total Addition		150436.63
Grand Net Total Amount		999999.89