

Detailed Estimate

OD/365/3490/120102/389113/00013484 : PROVISION OF FACILITY CENTRE AT CHANDANPUR GP HQ
Block : Baripada, Gram Panchayat : Chandanpur
Created By:SWARNALATA BEHERA

1. Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift									
Earth work in hard soil or gravelly soil 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	Coloumn	9.000	5.000	5.000	5.000	0.000	1125.000	-	
ii	Wall	1.000	140.130	1.500	1.500	0.000	315.293	-	
iii	Col.	9.000	5.000	1.500	1.560	0.000	-	105.300	
Total Quantity					1334.9925 Cft (Cubic Foot)		37.802715624 Cum (Cubic Meter)		
Amount					37.802715624 X 200.6466		7584.99		
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	Col.	9.000	5.000	5.000	1.000	0.000	225.000	-	
ii	Wall	1.000	140.130	1.500	0.500	0.000	105.098	-	
iii	Waiting Hall	1.000	13.000	22.830	1.170	0.000	347.244	-	
iv	Waiting Hall	1.000	13.830	11.000	1.170	0.000	177.992	-	
v	Toilet	2.000	6.080	11.000	0.330	0.000	44.141	-	
vi	Col.	9.000	5.000	2.500	0.500	0.000	-	56.250	
Total Quantity					843.2247 Cft (Cubic Foot)		23.87742518496 Cum (Cubic Meter)		
Amount					23.87742518496 X 1375.158632		32835.25		

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.	9.000	5.000	5.000	0.500	0.000	112.500	-
ii	Wall	1.000	140.130	2.500	0.330	0.000	115.607	-
iii	Waiting hall	1.000	13.000	22.830	0.330	0.000	97.941	-
iv	Waiting hall	1.000	13.830	11.000	0.330	0.000	50.203	-
v	Toilet	2.000	6.080	11.000	0.330	0.000	44.141	-
vi	Col.	9.000	5.000	2.500	0.500	0.000	-	56.250
Total Quantity					364.14165 Cft (Cubic Foot)		10.31132627472 Cum (Cubic Meter)	
Amount					10.31132627472 X 6818.2420268		70305.12	

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	Col. base	9.000	4.500	4.500	1.000	0.000	182.250	-
ii	Col. base	9.000	2.000	2.000	1.500	0.000	54.000	-
iii	upto P/B	9.000	1.250	0.830	2.500	0.000	23.344	-
Total Quantity					259.59375 Cft (Cubic Foot)		7.3508643 Cum (Cubic Meter)	
Amount					7.3508643 X 7454.2366696681		54795.08	

5. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	P/B	1.000	140.130	0.830	1.000	0.000	116.308	-
Total Quantity					116.3079 Cft (Cubic Foot)		3.29346754272 Cum (Cubic Meter)	
Amount					3.29346754272 X 8211.6109159962		27044.67	

6. 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	Col.	9.000	1.250	0.830	9.170	0.000	85.625	-
ii	R/B	1.000	13.000	0.830	1.080	0.000	11.653	-
iii	R/B	1.000	11.000	0.830	0.920	0.000	8.400	-
iv	W/B	1.000	140.130	0.830	0.830	0.000	96.536	-
Total Quantity					202.213232 Cft (Cubic Foot)		5.7260316478976 Cum (Cubic Meter)	
Amount					5.7260316478976 X 14535.000346882		83227.87	

7. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Lintel	1.000	140.130	0.830	0.500	0.000	58.154	-
ii	Toilet	2.000	6.080	0.420	0.500	0.000	2.554	-

Total Quantity			60.70755 Cft (Cubic Foot)				1.71904355184 Cum (Cubic Meter)	
Amount			1.71904355184 X 13205.798258439				22701.34	
8. 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	Ventilator	2.000	4.000	1.500	0.250	0.000	3.000	-
ii	W.H. Chajja	1.000	83.810	2.000	0.250	0.000	41.905	-
iii	Roof Slab	1.000	29.500	25.500	0.416	0.000	312.936	-
Total Quantity			357.841 Cft (Cubic Foot)				10.1329120288 Cum (Cubic Meter)	
Amount			10.1329120288 X 12827.159881844				129976.48	
9. 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	90% of RCC	1.000	28.250	0.800	0.000	0.000	22.600	-
Total Quantity			22.6 Qntl (Quintal)				22.6 Qntl (Quintal)	
Amount			22.6 X 7896.7909389				178467.48	
10. 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	1st footing	1.000	140.130	1.660	0.670	0.000	155.853	-

ii	2nd footing	1.000	140.130	1.250	0.670	0.000	117.359	-
iii	3rd footing	1.000	140.130	0.830	0.500	0.000	58.154	-
iv	Deduction	1.000	1.660	1.660	0.583	0.000	-	1.607
v	Col.	9.000	1.250	0.830	0.583	0.000	-	5.444
vi	Col.	9.000	0.830	0.830	1.500	0.000	-	9.300
Total Quantity					315.0149837 Cft (Cubic Foot)		8.9202162904362 Cum (Cubic Meter)	
Amount					8.9202162904362 X 4989.020168896		44503.14	
11. 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 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	Wall	1.000	140.130	0.830	9.170	0.000	1066.540	-
ii	0'-5	2.000	6.080	0.416	9.170	0.000	46.387	-
iii	Ventilator	2.000	2.500	0.830	2.500	0.000	-	10.375
iv	Door	2.000	3.500	0.830	7.000	0.000	-	40.670
v	Door	2.000	3.000	0.830	7.000	0.000	-	34.860
vi	Door	2.000	3.000	0.420	7.000	0.000	-	17.640
vii	Opening	3.000	13.000	0.830	4.500	0.000	-	145.665
viii	Opening	3.000	11.000	0.830	4.500	0.000	-	123.255
Total Quantity					740.4654382 Cft (Cubic Foot)		20.967611720422 Cum (Cubic Meter)	
Amount					20.967611720422 X 5022.350168896		105306.69	
12. Plastering (AR1026) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside)								
6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside 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	Waiting hall	1.000	13.000	22.830	0.000	0.000	296.790	-
ii	Hall	1.000	13.830	11.000	0.000	0.000	152.130	-
iii	Urinal	2.000	6.083	6.583	0.000	0.000	80.089	-
iv	WC	2.000	6.080	4.000	0.000	0.000	48.640	-
v	Slab Projection	2.000	29.500	0.916	0.000	0.000	54.044	-
vi	Slab Projection	2.000	25.500	0.916	0.000	0.000	46.716	-
vii	Chhaja	3.000	3.000	1.750	0.000	0.000	15.750	-
viii	Opening	1.000	83.810	2.250	0.000	0.000	188.572	-
Total Quantity					882.731278 Sft (Square Foot)		82.008383920034 Sqm (Square Meter)	
Amount					82.008383920034 X 158.6329404528		13009.23	

13. Plastering (AR1004ik) : 12mm thick cement plaster (1:6) over Brick work in outside(For repair and maintenance).

12mm thick cement plaster (1:6) over Brick work in outside 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(For repair and maintenance).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Out side	2.000	28.500	0.000	13.000	0.000	741.000	-
ii	Out side	2.000	24.500	0.000	13.000	0.000	637.000	-
Total Quantity					1378 Sft (Square Foot)		128.020334 Sqm (Square Meter)	
Amount					128.020334 X 176.3135562144		22571.72	

14. Plastering (AR1014k) : 16mm thick cement Plaster in CM (1:6) over brick work in inside (inside)(For repair and maintenance) .

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(For repair and maintenance).

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Waiting hall	2.000	26.000	0.000	9.500	0.000	494.000	-
ii	Waiting hall	2.000	24.830	0.000	9.500	0.000	471.770	-
iii	Toilet	2.000	12.660	0.000	9.500	2.000	481.080	-
iv	Toilet	2.000	10.080	0.000	9.500	2.000	383.040	-
v	Ventilator	2.000	2.500	0.000	2.500	0.000	-	12.500
vi	Door	2.000	3.500	0.000	7.000	0.000	-	49.000
vii	Door	2.000	3.000	0.000	7.000	0.000	-	42.000
viii	Opening	3.000	13.000	0.000	4.500	0.000	-	175.500
ix	Opening	3.000	11.000	0.000	4.500	0.000	-	148.500
x	Wall	2.000	11.000	0.000	10.500	0.000	-	231.000
Total Quantity					1171.39 Sft (Square Foot)		108.82564517 Sqm (Square Meter)	
Amount					108.82564517 X 251.752764024		27397.16	
15. 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	Waiting hall	1.000	13.000	22.830	0.000	0.000	296.790	-
ii	Waiting hall	1.000	13.830	11.000	0.000	0.000	152.130	-
Total Quantity					448.92 Sft (Square Foot)		41.70601476 Sqm (Square Meter)	
Amount					41.70601476 X 1630.217600825		67989.88	
16. Iron Work (AR1704) : Iron Doors and windows fixing								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	Door	2.000	2.500	0.000	7.000	3.000	105.000	-
ii	Door	1.000	3.500	0.000	7.000	3.000	73.500	-
Total Quantity					178.5 Kg (Kilo Gram)		1.785 Qntl (Quintal)	
Amount					1.785 X 15116.943006976		26983.74	
17. Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside)								
Finishing wall One Coat with plastic emulsion paint of approved shades on old 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	As per out side plaster	128.000	0.000	0.000	0.000	0.000	128.000	-
Total Quantity					128 Sqm (Sqm)		128 Sqm (Square Meter)	
Amount					128 X 63.82961539		8170.19	
18. Painting (AR0901bi) : Priming one coat in outer surface with primer of approved quality over iron work								
Priming one coat in outer surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	qty of plaster items	1.000	318.820	0.000	0.000	0.000	318.820	-
Total Quantity					318.82 Sqm (Sqm)		318.82 Sqm (Square Meter)	
Amount					318.82 X 66.430624603133		21179.41	
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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	qty of 16mm plaster	108.820	0.000	0.000	0.000	0.000	108.820	-
Total Quantity					108.82 Sqm (Sqm)		108.82 Sqm (Square Meter)	
Amount					108.82 X 80.870162175		8800.29	

Total Amount	952849.73
Addition	
Provision for PH Work (+) @	17121.77
Provision for EI Work (+) @	17500.00
Provision for Contingency (+) @	9528.50
Display Citizen Board (+) @	3000.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	47150.27
Grand Net Total Amount	1000000.00