

Detailed Estimate

OD/371/3559/121297/381732/00016564 : Repair & Maintenance Of GP FPS Centre (PDS Godown) At Bisalkhinda GP Office
Block : Dhankauda, Panchayat : Bishalkhinda
Created By:ASHRITA TOPNO

1. Masonry Brick Work (AR0603ci) : First floor								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	Long wall	2.000	16.340	0.230	0.750	0.000	5.637	-
ii	Short wall	2.000	5.240	0.230	0.750	0.000	1.808	-
Total Quantity					7.4451 cum (cum)		7.4451 Cum (Cubic Meter)	
Amount					7.4451 X 5515.22339624		41061.39	
2. Plastering (AR1004) : First Floor								
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	Long wall	2.000	16.340	0.000	0.750	0.000	24.510	-
ii	Short wall	2.000	5.240	0.000	0.750	0.000	7.860	-
Total Quantity					32.37 Sqm (Sqm)		32.37 Sqm (Square Meter)	
Amount					32.37 X 178.408974086		5775.10	
3. Roofing (AR1135) : G.C.I. Sheet (0.30mm thick) in walling								
Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in walling including cost of nuts and bolts, fitting, labour and material etc. complete as per direction of Engineer-in-Charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	16.940	6.340	0.000	0.000	107.400	-
Total Quantity					107.3996 Sqm (Sqm)		107.3996 Sqm (Square Meter)	

Amount				107.3996 X 521.14028855763			55970.26	
4. 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	Hall	1.000	15.240	4.650	0.000	0.000	70.866	-
ii	Verandah	1.000	15.240	2.290	0.000	0.000	34.900	-
iii	RS	2.000	1.600	0.250	0.000	0.000	0.800	-
iv	Door	2.000	1.520	0.250	0.000	0.000	0.760	-
Total Quantity					107.3256 Sqm (Sqm)		107.3256 Sqm (Square Meter)	
Amount				107.3256 X 1137.731185301			122107.68	
5. Flooring (AR0817ba) : Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3)								
Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles 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	Long wall	4.000	15.240	0.000	1.070	0.000	65.227	-
ii	Hal Short wall	2.000	4.650	0.000	1.070	0.000	9.951	-
iii	Ver. Short wall	2.000	2.290	0.000	1.070	0.000	4.901	-
iv	RS	4.000	1.600	0.000	1.070	0.000	-	6.848
v	Door	2.000	1.520	0.000	1.070	0.000	-	3.253
Total Quantity					69.978 Sqm (Sqm)		69.978 Sqm (Square Meter)	
Amount				69.978 X 1249.739232366			87454.25	
6. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring								
Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Hall	1.000	15.240	4.650	0.000	0.000	70.866	-
ii	Verandah	1.000	15.240	2.290	0.000	0.000	34.900	-
iii	RS	2.000	1.600	0.250	0.000	0.000	0.800	-
iv	Door	2.000	1.520	0.250	0.000	0.000	0.760	-
Total Quantity					107.3256 Sqm (Sqm)		107.3256 Sqm (Square Meter)	
Amount					107.3256 X 98.176344086021		10536.84	

7. Dismantling (AR1613) : Removing old lime or cement plaster

Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	4.000	15.240	0.000	1.070	0.000	65.227	-
ii	Hall Short wall	2.000	4.650	0.000	1.070	0.000	9.951	-
iii	Ver. Short wall	2.000	2.290	0.000	1.070	0.000	4.901	-
iv	RS	4.000	1.600	0.000	1.070	0.000	-	6.848
v	Door	2.000	1.520	0.000	1.070	0.000	-	3.253
Total Quantity					69.978 Sqm (Sqm)		69.978 Sqm (Square Meter)	
Amount					69.978 X 49.088172043011		3435.09	

8. Dismantling (AR1603) : Dismantling brick or stone masonry under 3m.

Dismantling brick or stone masonry in lime or cement mortar under 3m. height including stacking the useful materials for reuse and removing the debris within 50m. Lead and as per direction of Engineer-in-Charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	27.440	0.230	1.800	0.000	11.360	-
Total Quantity					11.36016 cum (cum)		11.36016 Cum (Cubic Meter)	
Amount					11.36016 X 1371.1731448763		15576.75	

9. Earth Work (AR0122Ai1) : Earthwork in all kinds of soil within 50m to 75m 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

Earthwork in all kinds of soil within 50m to 75m 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 direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	27.440	0.600	0.750	0.000	12.348	-
Total Quantity					12.348 cum (cum)		12.348 Cum (Cubic Meter)	
Amount					12.348 X 229.87334168		2838.48	

10. 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	Boundary wall	1.000	27.440	0.600	0.100	0.000	1.646	-
ii	Concete	1.000	5.180	1.930	0.050	0.000	0.500	-
iii		1.000	9.750	4.110	0.050	0.000	2.004	-
iv		1.000	15.240	4.110	0.050	0.000	3.132	-
Total Quantity					7.281715 cum (cum)		7.281715 Cum (Cubic Meter)	
Amount					7.281715 X 1073.657472		7818.07	

11. 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	Boundary wall	1.000	27.440	0.600	0.100	0.000	1.646	-
ii	Concrete	1.000	5.180	1.930	0.100	0.000	1.000	-
iii		1.000	9.750	4.110	0.100	0.000	4.007	-
iv		1.000	15.240	4.110	0.100	0.000	6.264	-
Total Quantity					12.91703 cum (cum)		12.91703 Cum (Cubic Meter)	

Amount		12.91703 X 5825.3211773					75245.85	
12. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	1st footing	1.000	27.440	0.500	0.300	0.000	4.116	-
ii	2nd footing	1.000	27.440	0.380	0.400	0.000	4.171	-
Total Quantity					8.28688 cum (cum)		8.28688 Cum (Cubic Meter)	
Amount		8.28688 X 5159.46806624					42755.89	
13. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure								
Brickwork with Flyash Bricks of size (23cm x 11cm 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	Boundary wall	1.000	27.440	0.230	1.650	0.000	10.414	-
ii	Wall topping	1.000	27.440	0.115	0.075	0.000	0.237	-
iii	Extra pillar projection	10.000	0.380	0.115	1.650	0.000	0.721	-
Total Quantity					11.3712 cum (cum)		11.3712 Cum (Cubic Meter)	
Amount		11.3712 X 5192.79806624					59048.35	
14. 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	Boundary wall	1.000	27.440	2.100	0.000	0.000	57.624	-
Total Quantity					57.624 Sqm (Sqm)		57.624 Sqm (Square Meter)	

Amount						57.624 X 248.70376451	14331.31	
15. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.								
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.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Boundary wall	1.000	27.440	0.000	1.800	0.000	49.392	-
ii	Wall above toping	1.000	27.440	0.000	0.300	0.000	8.232	-
iii	Extra brick pillar projection	10.000	0.115	0.000	1.800	0.000	2.070	-
Total Quantity					59.694 Sqm (Sqm)		59.694 Sqm (Square Meter)	
Amount					59.694 X 174.423918086		10412.06	
16. 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 as per specifaion and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Godown sides	1.000	5.180	1.930	0.075	0.000	0.750	-
ii		1.000	9.750	4.110	0.075	0.000	3.005	-
iii		1.000	15.240	4.110	0.075	0.000	4.698	-
Total Quantity					8.4529725 cum (cum)		8.4529725 Cum (Cubic Meter)	
Amount					8.4529725 X 7376.5540991		62353.81	
17. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer								
Finishing wall surface two coats with weather coat with one coat oilbound 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)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	2.000	15.740	0.000	3.550	0.000	111.754	-

ii	Short wall	2.000	7.700	0.000	3.550	0.000	54.670	-	
iii	Door	2.000	0.500	1.520	2.100	0.000	-	3.192	
iv	GW	2.000	0.500	3.700	1.200	0.000	-	4.440	
v	GW	2.000	0.500	1.900	1.200	0.000	-	2.280	
vi	V	16.000	0.500	0.450	0.150	0.000	-	0.540	
vii	Boundary wall	2.000	27.440	0.000	2.100	0.000	115.248	-	
Total Quantity					271.22 Sqm (Sqm)		271.22 Sqm (Square Meter)		
Amount					271.22 X 154.60077231263		41930.82		

18. Painting (AR0922k) : Finishing wall two coats with distemper of approved shades on new work (Inside)(For repair and maintenance).

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)(For Repair and maintenance)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	Hall	4.000	15.240	0.000	3.550	0.000	216.408	-	
ii	Hall Short wall	2.000	4.650	0.000	3.550	0.000	33.015	-	
iii	Ver short wall	2.000	2.290	0.000	3.550	0.000	16.259	-	
iv	RS	2.000	1.000	1.600	2.250	0.000	-	7.200	
v	Door	2.000	0.500	1.520	2.100	0.000	-	3.192	
vi	Ventiloator	16.000	0.500	0.450	0.150	0.000	-	0.540	
Total Quantity					254.75 Sqm (Sqm)		254.75 Sqm (Square Meter)		
Amount					254.75 X 82.098610025		20914.62		

19. Painting (AR0903ia) : Painting two coats of enamel paint with a coat of wood primer in outer surface paint (Outside)

Painting two coats of enamel paint with a coat of wood primer in outer surface paint 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	RS	2.000	2.250	1.600	2.250	0.000	16.200	-

ii	Door	2.000	2.250	1.520	2.100	0.000	14.364	-
iii	GW	2.000	0.500	3.700	1.200	0.000	4.440	-
iv	GW	2.000	0.500	1.900	1.200	0.000	2.280	-
v	V	16.000	0.500	0.450	0.150	0.000	0.540	-
Total Quantity					37.824 Sqm (Sqm)		37.824 Sqm (Square Meter)	
Amount					37.824 X 237.47988070022		8982.44	
Total Amount							688549.04	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @							10000.00	
Provision for Contingency (+) @							6885.49	
Display Citizen Board (+) @							3000.00	
Any Other Lumpsum (+) @							41565.46	
Total Addition							61450.95	
Grand Net Total Amount							749999.99	