

Detailed Estimate

OD/367/3529/120706/406491/00064283 : REPAIR & MAINTENANCE OF GOVT. P.S , DAHANGI

Block : Odagaon, Gram Panchayat : Giridipalli

Created By:Sradhanjali Sathua Mohapatra

1. 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	Infront of toilet	1.000	4.850	2.750	0.100	0.000	1.334	-
Total Quantity					1.33375 cum (cum)		1.33375 Cum (Cubic Meter)	
Amount					1.33375 X 701.882532		936.14	
2. 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	Infront of toilet	1.000	4.850	2.750	0.100	0.000	1.334	-
Total Quantity					1.33375 cum (cum)		1.33375 Cum (Cubic Meter)	
Amount					1.33375 X 5446.81978678		7264.70	
3. 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 specificaion and direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Infront of toilet	1.000	4.850	2.750	0.075	0.000	1.000	-
ii	inside toilet	3.000	1.450	1.200	0.075	0.000	0.392	-

Total Quantity		1.3918125 cum (cum)					1.3918125 Cum (Cubic Meter)	
Amount		1.3918125 X 6992.97172986					9732.91	
4. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	1.350	1.350	0.125	0.000	0.228	-
Total Quantity		0.2278125 cum (cum)					0.2278125 Cum (Cubic Meter)	
Amount		0.2278125 X 12683.403744297					2889.44	
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	slab	1.000	0.000	0.000	0.000	0.200	0.200	-
Total Quantity		0.2 Qntl (Quintal)					0.2 Qntl (Quintal)	
Amount		0.2 X 8992.2174762					1798.44	
6. 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/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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction

i	steps	1.000	2.750	0.500	0.150	0.000	0.206	-
ii	steps	1.000	2.750	0.250	0.150	0.000	0.103	-
iii	kitechen wall	1.000	2.100	0.250	1.350	0.000	0.709	-
iv	tank platform	2.000	0.850	0.250	2.000	0.000	0.850	-
v	tank platform	2.000	0.350	0.250	2.000	0.000	0.350	-
vi	round wall for support	1.000	0.000	0.000	0.000	0.150	0.150	-
Total Quantity					2.368125 cum (cum)		2.368125 Cum (Cubic Meter)	
Amount					2.368125 X 5110.473518104		12102.24	

7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	lw	2.000	4.450	0.000	2.000	0.000	17.800	-
ii	sw	2.000	2.000	0.000	2.000	0.000	8.000	-
iii	door	3.000	0.600	0.000	2.000	0.500	-	1.800
iv	kitchen wall	2.000	2.100	0.000	1.350	0.000	5.670	-
v	tank platform wall	4.000	0.850	0.000	2.000	0.000	6.800	-
vi	support wall	1.000	0.000	0.000	0.000	2.540	2.540	-
Total Quantity					39.01 Sqm (Sqm)		39.01 Sqm (Square Meter)	
Amount					39.01 X 176.0499564356		6867.71	

8. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 ceramic 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	inside toilet	3.000	1.450	1.200	0.000	0.000	5.220	-
Total Quantity					5.22 Sqm (Sqm)		5.22 Sqm (Square Meter)	
Amount					5.22 X 1189.8109832044		6210.81	

9. Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753)

Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic 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	toilet wall	6.000	1.450	0.000	2.000	0.000	17.400	-
ii	toilet wall	6.000	1.200	0.000	2.000	0.000	14.400	-
iii	door	3.000	0.600	0.000	2.000	0.000	-	3.600
Total Quantity					28.2 Sqm (Sqm)		28.2 Sqm (Square Meter)	
Amount					28.2 X 882.642043736		24890.51	

10. Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer

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	lw	2.000	4.450	0.000	2.000	0.000	17.800	-
ii	sw	2.000	2.000	0.000	2.000	0.000	8.000	-
iii	door	3.000	0.600	0.000	2.000	0.500	-	1.800
iv	kitchen wall	2.000	2.100	0.000	1.350	0.000	5.670	-

v	tank platform wall	4.000	0.850	0.000	2.000	0.000	6.800	-
vi	support wall	1.000	0.000	0.000	0.000	2.540	2.540	-
Total Quantity					39.01 Sqm (Sqm)		39.01 Sqm (Square Meter)	
Amount					39.01 X 160.71529806685		6269.50	
11. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	toilet floor	3.000	1.450	1.220	0.000	0.000	5.307	-
Total Quantity					5.307 Sqm (Sqm)		5.307 Sqm (Square Meter)	
Amount					5.307 X 100.34838709677		532.55	
12. 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	outside wall lw	2.000	4.450	0.000	2.000	0.000	17.800	-
ii	outside wallsw	2.000	2.000	0.000	2.000	0.000	8.000	-
iii	door	3.000	0.600	0.000	2.000	0.000	-	3.600
iv	Inside wall lw	6.000	1.450	0.000	2.000	0.000	17.400	-
v	Inside wall sw	6.000	1.200	0.000	2.000	0.000	14.400	-
Total Quantity					54 Sqm (Sqm)		54 Sqm (Square Meter)	
Amount					54 X 50.174193548387		2709.41	
13. Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface								

Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	door	3.000	0.600	0.000	2.000	2.250	8.100	-
ii	door	1.000	1.000	0.000	1.350	2.250	3.038	-
Total Quantity					11.1375 Sqm (Sqm)		11.1375 Sqm (Square Meter)	
Amount					11.1375 X 229.54050832053		2556.51	

14. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	door	3.000	0.600	0.000	2.000	35.000	126.000	-
ii	door	1.000	1.000	0.000	1.350	35.000	47.250	-
Total Quantity					173.25 Kg (Kilo Gram)		1.7325 Qntl (Quintal)	
Amount					1.7325 X 16308.180351087		28253.92	
Total Amount							113014.78	

Addition

Provision for PH Work (+) @							34985.00	
Provision for EI Work (+) @								
Provision for Contingency (+) @							1500.00	
Display Citizen Board (+) @							500.00	
Any Other Lumpsum (+) @								
Provision for survey investigation and quality control (+) @								
Total Addition							36985.00	

Grand Net Total Amount

149999.78

**Sradhanjali Sathua Mohapatra
JE
Odagaon Block**

**Sasmita Kar
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Odagaon Block**

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BDO
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