

Detailed Estimate

OD/356/3403/118513/400565/00102648 : Repair and Maintenance of Sarangpur UGMES

Block : Sukinda, Gram Panchayat : Sarangapur

Created By: Smruti Sucharita Krishnamurty

1. 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	Class Room 1	1.000	6.700	4.900	0.000	0.000	32.830	-	
ii	Class Room 2	1.000	6.700	4.900	0.000	0.000	32.830	-	
iii	verandah	1.000	14.150	2.700	0.000	0.000	38.205	-	
Total Quantity							103.865 Sqm (Sqm)	103.865 Sqm (Square Meter)	
Amount							103.865 X 100.34838709677	10422.69	
2. Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof									
Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering 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	Roof	1.000	14.500	8.700	0.000	0.000	126.150	-	
Total Quantity							126.15 Sqm (Sqm)	126.15 Sqm (Square Meter)	
Amount							126.15 X 112.89193548387	14241.32	
3. 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	R1	2.000	6.700	0.000	3.040	0.000	40.736	-	

ii		2.000	4.870	0.000	3.040	0.000	29.610	-	
iii	Door	2.000	2.100	1.200	0.000	0.000	-	5.040	
iv	Window	2.000	1.200	1.200	0.000	0.000	-	2.880	
v	R2	2.000	6.700	3.040	0.000	0.000	40.736	-	
vi		2.000	4.900	3.040	0.000	0.000	29.792	-	
vii	Door	2.000	2.100	1.200	0.000	0.000	-	5.040	
viii	Window	2.000	1.200	1.200	0.000	0.000	-	2.880	
ix	Back wall	1.000	14.200	0.000	3.350	0.000	47.570	-	
x	Side wall	1.000	5.380	0.000	3.350	0.000	18.023	-	
xi	Front wall	1.000	14.200	0.000	0.900	0.000	12.780	-	
xii	Ver	1.000	2.700	0.000	0.300	0.000	0.810	-	
xiii	Door	4.000	1.200	0.000	0.300	0.000	-	1.440	
xiv		2.000	2.740	0.000	0.150	0.000	0.822	-	
Total Quantity					203.5986 Sqm (Sqm)		203.5986 Sqm (Square Meter)		
Amount					203.5986 X 50.174193548387		10215.40		
4. miscellaneous (ARM122) : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.									
Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.									
Sl No	Description	No	L	B	D	CF	Quantity	Deduction	
i	chajja	1.000	14.150	0.600	0.000	0.000	8.490	-	
ii	chajja (window)	4.000	1.500	0.600	0.000	0.000	3.600	-	
iii		4.000	1.500	0.600	0.000	0.000	3.600	-	
Total Quantity					15.69 Sqm (Sqm)		15.69 Sqm (Square Meter)		
Amount					15.69 X 5.12		80.33		

5. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	R1	1.000	6.700	4.900	0.070	0.000	2.298	-
ii	R2	1.000	6.700	4.900	0.070	0.000	2.298	-
iii	Verandah	1.000	14.100	2.700	0.070	0.000	2.665	-
iv	Ramp	1.000	1.520	4.200	0.100	0.000	0.638	-
Total Quantity					7.8995 cum (cum)		7.8995 Cum (Cubic Meter)	
Amount					7.8995 X 949.100232		7497.42	

6. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	R1	1.000	6.700	4.870	0.070	0.000	2.284	-
ii	R2	1.000	6.700	4.870	0.070	0.000	2.284	-
iii	Verandah	1.000	14.100	2.700	0.070	0.000	2.665	-
Total Quantity					7.23296 cum (cum)		7.23296 Cum (Cubic Meter)	
Amount					7.23296 X 5897.05631216		42653.17	

7. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Back Side	1.000	14.100	3.350	0.000	0.000	47.235	-
ii	Front	1.000	14.100	0.900	0.000	0.000	12.690	-

iii	Side	1.000	8.380	3.350	0.000	0.000	28.073	-
iv	Verandah	1.000	2.700	2.100	0.000	0.000	-	5.670
Total Quantity					82.328 Sqm (Sqm)		82.328 Sqm (Square Meter)	
Amount					82.328 X 173.2240620432		14261.19	

8. 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	R1	2.000	6.700	0.000	3.000	0.000	40.200	-
ii		2.000	4.900	0.000	3.000	0.000	29.400	-
iii	D	2.000	1.200	0.000	2.100	0.000	-	5.040
iv	W	2.000	1.200	0.000	1.200	0.000	-	2.880
v	R2	2.000	6.700	0.000	3.000	0.000	40.200	-
vi		2.000	4.870	0.000	3.000	0.000	29.220	-
vii	D	2.000	1.200	0.000	1.200	0.000	-	2.880
viii	W	2.000	1.200	0.000	2.100	0.000	-	5.040
ix	V	8.000	0.300	0.000	0.300	0.000	-	0.720
x	VER	1.000	14.100	0.000	0.600	0.000	8.460	-
Total Quantity					130.92 Sqm (Sqm)		130.92 Sqm (Square Meter)	
Amount					130.92 X 248.150603872		32487.88	

9. 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
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i	R1	1.000	6.700	4.900	0.000	0.000	32.830	-	
ii	R2	1.000	6.700	4.900	0.000	0.000	32.830	-	
iii	VER	1.000	14.100	2.740	0.000	0.000	38.634	-	
Total Quantity					104.294 Sqm (Sqm)		104.294 Sqm (Square Meter)		
Amount					104.294 X 1531.571240791		159733.69		

10. 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	Dados	2.000	6.700	0.000	0.150	0.000	2.010	-	
ii		2.000	4.900	0.000	0.150	0.000	1.470	-	
iii	D	2.000	1.200	0.000	0.150	0.000	-	0.360	
iv	r2	2.000	6.700	0.000	0.150	0.000	2.010	-	
v		2.000	4.900	0.000	0.150	0.000	1.470	-	
vi	D	2.000	1.200	0.000	0.150	0.000	-	0.360	
vii	Ver	1.000	14.150	0.000	0.150	0.000	2.123	-	
viii	D	4.000	1.200	0.000	0.150	0.000	-	0.720	
ix	col	5.000	1.000	0.000	0.150	0.000	0.750	-	
x	Step	2.000	13.130	0.000	0.300	0.000	7.878	-	
xi		3.000	13.100	0.000	0.150	0.000	5.895	-	
Total Quantity					22.1655 Sqm (Sqm)		22.1655 Sqm (Square Meter)		
Amount					22.1655 X 1012.3514731726		22439.28		

11. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	1.000	0.000	0.000	0.000	0.000	1.000	-
Total Quantity					1 Sqm (Sqm)		1 Sqm (Square Meter)	
Amount					1 X 65.99898607151		66.00	

12. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Qty same as item no AR1014	130.920	0.000	0.000	0.000	0.000	130.920	-
Total Quantity					130.92 Sqm (Sqm)		130.92 Sqm (Square Meter)	
Amount					130.92 X 71.54653186751		9366.87	

13. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Qty same as item No AR1014	130.920	1.000	1.000	0.000	1.000	130.920	-
Total Quantity					130.92 Sqm (Sqm)		130.92 Sqm (Square Meter)	
Amount					130.92 X 94.76013415		12406.00	

14. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)

Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes 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	Door	4.000	1.200	2.100	2.000	0.000	20.160	-

Total Quantity	20.16 Sqm (Sqm)	20.16 Sqm (Square Meter)
Amount	20.16 X 163.58630721452	3297.90

15. 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	Wall	1.000	1.000	1.000	0.000	0.000	1.000	-
Total Quantity					1 Sqm (Sqm)		1 Sqm (Square Meter)	
Amount					1 X 160.18933498742		160.19	

16. Concrete (AR0317) : 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips

2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Quantity same as item no 2	0.000	0.000	0.000	0.000	126.150	126.150	-
Total Quantity					126.15 Sqm (Sqm)		126.15 Sqm (Square Meter)	
Amount					126.15 X 360.4738695332		45473.78	

17. 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	Window	1.000	1.200	1.200	0.000	42.000	60.480	-
Total Quantity					60.48 Kg (Kilo Gram)		0.6048 Qntl (Quintal)	
Amount					0.6048 X 15995.926529087		9674.34	

Total Amount (A) : 394477.43

Additional Components			
#	Item Name	Remark	Amount (in Rs.)
1	Provision for EI Work @ Rs.1000	-	1000
2	Provision for Contingency @ 0.5%	-	1972.3871407818
3	Display Citizen Board @ Rs.2550	-	2550
Additional Components Amount (F) : 5522.3871407818			

Grand Total Amount (A + F) : 399999.81529714

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