

## Detailed Estimate

OD/346/3309/116320/393785/00069791 : Repair of Rangapati AWC

Block : Soro, Gram Panchayat : Manatri

Created By:Rojalin Jena

<b>1. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>								
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	approach	1.000	23.000	6.660	0.330	0.000	50.549	-
ii		1.000	10.000	5.000	0.330	0.000	16.500	-
Total Quantity					67.0494 Cft (Cubic Foot)		1.89862444992 Cum (Cubic Meter)	
Amount					1.89862444992 X 1447.535232		2748.33	
<b>2. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal</b>								
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	1pproach	1.000	23.000	6.660	0.330	0.000	50.549	-
ii	hall	1.000	8.000	2.000	0.330	0.000	5.280	-
iii	Approach	1.000	10.000	5.000	0.330	0.000	16.500	-
Total Quantity					72.3294 Cft (Cubic Foot)		2.04813715392 Cum (Cubic Meter)	
Amount					2.04813715392 X 5969.56816126		12226.49	
<b>3. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>								

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	inside	1.000	238.250	1.000	0.000	0.000	238.250	-
Total Quantity					238.25 Sft (Square Foot)		22.13413975 Sqm (Square Meter)	
Amount					22.13413975 X 180.5624273252		3996.59	

**4. 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	hall l/w	2.000	22.000	3.000	0.000	0.000	132.000	-
ii	s/w	2.000	16.000	3.000	0.000	0.000	96.000	-
iii	toilet D	1.000	2.500	3.000	0.000	0.000	-	7.500
iv	Stoe D	1.000	3.500	3.000	0.000	0.000	-	10.500
v	Hall D	1.000	3.500	3.000	0.000	0.000	-	10.500
Total Quantity					199.5 Sft (Square Foot)		18.5341485 Sqm (Square Meter)	
Amount					18.5341485 X 885.276618636		16407.85	

**5. 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.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	hall	1.000	22.000	12.000	0.160	0.000	42.240	-

ii	kitchen	1.000	5.000	5.500	0.160	0.000	4.400	-	
iii	verenda	1.000	16.000	5.000	0.160	0.000	12.800	-	
iv	approach	1.000	23.000	6.660	0.250	0.000	38.295	-	
v	approach	1.000	10.000	5.000	0.250	0.000	12.500	-	
Total Quantity					110.235 Cft (Cubic Foot)		3.121502448 Cum (Cubic Meter)		
Amount					3.121502448 X 7423.40077962		23172.16		

**6. 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction	
i	hall	1.000	22.000	12.000	0.000	0.000	264.000	-	
ii	kitchen	1.000	6.000	6.500	0.000	0.000	39.000	-	
iii	ver	1.000	16.000	5.500	0.000	0.000	88.000	-	
Total Quantity					391 Sft (Square Foot)		36.325073 Sqm (Square Meter)		
Amount					36.325073 X 1019.0931732786		37018.63		

**7. 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		1.000	2529.000	1.000	0.000	0.000	2529.000	-	
Total Quantity					2529 Sft (Square Foot)		234.951687 Sqm (Square Meter)		

<b>Amount</b>				234.951687 X 71.83248932951			16877.16	
<b>8. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>								
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		1.000	1623.500	1.000	0.000	0.000	1623.500	-
Total Quantity					1623.5 Sft (Square Foot)		150.8280205 Sqm (Square Meter)	
<b>Amount</b>				150.8280205 X 94.7526285875			14291.35	
<b>9. Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)</b>								
Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	ver	2.000	16.000	0.500	0.000	0.000	16.000	-
ii	ver	2.000	5.500	0.500	0.000	0.000	5.500	-
iii	kitchen	2.000	6.000	0.500	0.000	0.000	6.000	-
iv	"	2.000	6.500	0.500	0.000	0.000	6.500	-
Total Quantity					34 Sft (Square Foot)		3.158702 Sqm (Square Meter)	
<b>Amount</b>				3.158702 X 1580.338418636			4991.82	
<b>10. Dismantling (AR1612) : Dismantling and removing 2.5 cm. thick artificial stone flooring</b>								
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	hall	1.000	22.000	12.000	0.000	0.000	264.000	-
ii	kitchen	1.000	5.000	5.500	0.000	0.000	27.500	-
iii	ver	1.000	16.000	5.000	0.000	0.000	80.000	-
Total Quantity					371.5 Sft (Square Foot)		34.5134645 Sqm (Square Meter)	
Amount					34.5134645 X 100.34838709677		3463.37	

#### 11. 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		1.000	238.250	1.000	0.000	0.000	238.250	-
Total Quantity					238.25 Sft (Square Foot)		22.13413975 Sqm (Square Meter)	
Amount					22.13413975 X 50.174193548387		1110.56	

#### 12. 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	D& w	1.000	148.000	1.000	0.000	0.000	148.000	-
Total Quantity					148 Sft (Square Foot)		13.749644 Sqm (Square Meter)	
Amount					13.749644 X 230.34345832053		3167.14	

#### 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)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	905.500	1.000	0.000	0.000	905.500	-
Total Quantity					905.5 Sft (Square Foot)		84.1236665 Sqm (Square Meter)	
Amount					84.1236665 X 87.8656910875		7391.58	
<b>14. 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.</b>								
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.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	2529.000	1.000	0.000	0.000	2529.000	-
Total Quantity					2529 Sft (Square Foot)		234.951687 Sqm (Square Meter)	
Amount					234.951687 X 5.12		1202.95	
<b>Total Amount</b>							<b>148066.00</b>	
<b>Addition</b>								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							2000.00	
Display Citizen Board (+) @							2000.00	
Any Other Lumpsum (+) @							45933.99	
Provision for survey investigation and quality control (+) @							2000.00	
<b>Total Addition</b>							<b>51933.99</b>	
<b>Grand Net Total Amount</b>							<b>199999.99</b>	

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