Detailed Estimate

OD/356/3397/118361/401460/00071522 : Const Of Tarini Bhogamandap At Samparu
Block : Dharmasala, Gram Panchayat : Samparu
Created By:SANTOSHI PANDA

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift

Earth work in hard soil or gravelly soil foundation & plinth 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	col	4.000	1.200	1.200	1.200	0.000	6.912	-
ii	L wall	2.000	3.630	0.600	0.600	0.000	2.614	-
iii	S wall	2.000	2.710	0.600	0.600	0.000	1.951	-
Total Quantity					11.4768 cum (cum)		11.4768 Cum (Cubic Meter)	
Amount					**11.4768 X 240.77592**		**2763.34**	

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	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	L wall	2.000	4.580	0.600	0.100	0.000	0.550	-
iii	S wall	2.000	3.650	0.600	0.100	0.000	0.438	-
iv	inside	1.000	4.580	3.650	0.450	0.000	7.523	-
Total Quantity					9.37425 cum (cum)		9.37425 Cum (Cubic Meter)	
Amount					**9.37425 X 853.049232**		**7996.70**	

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	4.000	1.200	1.200	0.150	0.000	0.864	-
ii	L wall	2.000	4.580	0.600	0.100	0.000	0.550	-
iii	S wall	2.000	3.650	0.600	0.100	0.000	0.438	-
iv	inside	1.000	4.580	3.650	0.100	0.000	1.672	-
Total Quantity					3.5233 cum (cum)		3.5233 Cum (Cubic Meter)	
Amount					**3.5233 X 5564.50164166**		**19605.41**	

4. 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/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	L wall	2.000	4.580	0.500	0.150	0.000	0.687	-
ii	2nd layer	2.000	4.580	0.375	0.150	0.000	0.515	-
iii	3 rd layer	2.000	4.580	0.250	0.550	0.000	1.260	-
iv	S wall	2.000	3.650	0.500	0.150	0.000	0.548	-
v	2 nd layer	2.000	3.650	0.375	0.150	0.000	0.411	-
vi	3rd layer	2.000	3.650	0.250	0.550	0.000	1.004	-
Total Quantity					4.423625 cum (cum)		4.423625 Cum (Cubic Meter)	
Amount					**4.423625 X 5029.528460288**		**22248.75**	

5. 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/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	L wall	2.000	4.580	0.250	1.200	0.000	2.748	-
ii	S wall	1.000	3.650	0.250	1.200	0.000	1.095	-
iii	Door	1.000	1.200	0.250	1.200	0.000	-	0.360
Total Quantity					3.483 cum (cum)		3.483 Cum (Cubic Meter)	
Amount					**3.483 X 5062.858460288**		**17633.94**	

6. 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 concreate, pre-cast slabs etc.)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Col	4.000	1.200	1.200	0.250	0.000	1.440	-
ii	Col	4.000	0.600	0.600	0.250	0.000	0.360	-
Total Quantity					1.8 cum (cum)		1.8 Cum (Cubic Meter)	
Amount					**1.8 X 6129.6994272047**		**11033.46**	

7. 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	Plinth	2.000	5.070	0.250	0.250	0.000	0.634	-
ii	S wall	2.000	3.650	0.250	0.250	0.000	0.456	-

Total Quantity					1.09 cum (cum)		1.09 Cum (Cubic Meter)	
Amount					**1.09 X 6886.5215523464**		**7506.31**	
8. 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	4.000	0.300	0.300	3.900	0.000	1.404	-
ii	Wall beam	2.000	4.570	0.300	0.300	0.000	0.823	-
iii	S wall	2.000	3.650	0.300	0.300	0.000	0.657	-
Total Quantity					2.8836 cum (cum)		2.8836 Cum (Cubic Meter)	
Amount					**2.8836 X 14185.452814525**		**40905.17**	
9. 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	Slab	1.000	4.550	5.470	0.100	0.000	2.489	-
Total Quantity					2.48885 cum (cum)		2.48885 Cum (Cubic Meter)	
Amount					**2.48885 X 12431.583831595**		**30940.35**	
10. 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 specificaion and direction of Engineer-in charge. (new work)								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction

i	Slab	1.000	4.550	5.470	0.000	0.000	24.889	-
Total Quantity					24.8885 Sqm (Sqm)		24.8885 Sqm (Square Meter)	
Amount					**24.8885 X 353.3246138232**		**8793.72**	

11. 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, royality, 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	L wall	2.000	4.570	0.000	1.200	1.000	10.968	-
ii	S wall	1.000	3.650	0.000	1.200	1.000	4.380	-
iii	Deduct door	1.000	1.200	0.000	1.200	0.500	0.720	-
Total Quantity					16.068 Sqm (Sqm)		16.068 Sqm (Square Meter)	
Amount					**16.068 X 171.5683377332**		**2756.76**	

12. 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	L wall	2.000	4.570	0.000	1.450	1.000	13.253	-
ii	S wall	1.000	3.650	0.000	1.450	1.000	5.293	-
iii	Deduct door	1.000	1.200	0.000	1.200	0.500	0.720	-
Total Quantity					19.2655 Sqm (Sqm)		19.2655 Sqm (Square Meter)	
Amount					**19.2655 X 246.163494522**		**4742.46**	

13. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping 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	col	4.000	0.300	0.000	3.050	1.000	3.660	-
ii	W beam	2.000	4.570	0.000	0.300	3.000	8.226	-
iii	w Beam	2.000	3.650	0.000	0.300	3.000	6.570	-
Total Quantity					18.456 Sqm (Sqm)		18.456 Sqm (Square Meter)	
Amount					**18.456 X 189.8391282088**		**3503.67**	

14. 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	rod	8.250	0.900	0.000	0.000	0.000	7.425	-
Total Quantity					7.425 Qntl (Quintal)		7.425 Qntl (Quintal)	
Amount					**7.425 X 8448.7818555**		**62732.21**	

15. 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	inside	1.000	4.580	3.650	0.000	0.000	16.717	-
ii	Door portion	1.000	1.200	0.250	0.000	0.000	0.300	-
Total Quantity					17.017 Sqm (Sqm)		17.017 Sqm (Square Meter)	

Amount	**17.017 X 1011.3879109526**	**17210.79**

16. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Wall	2.000	4.580	1.450	0.000	0.000	13.282	-
ii	Wall	2.000	3.650	1.450	0.000	0.000	10.585	-
iii	Door	1.000	1.200	1.450	0.000	0.000	-	1.740
Total Quantity					22.127 Sqm (Sqm)		22.127 Sqm (Square Meter)	
Amount					**22.127 X 881.022616806**		**19494.39**	

17. 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)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	W Beam	3.000	4.580	0.000	0.300	0.000	4.122	-
ii	W Beam	3.000	3.650	0.000	0.300	0.000	3.285	-
iii	ceiling	1.000	4.580	0.000	3.650	0.000	16.717	-
iv	Col	4.000	0.300	0.000	1.830	4.000	8.784	-
v	Out side Lwall	2.000	5.180	0.000	1.200	1.000	12.432	-
vi	S wall	2.000	3.950	0.000	1.200	1.000	9.480	-
vii	Carnish	2.000	5.480	0.000	0.250	0.000	2.740	-
viii	Carnish	2.000	3.650	0.000	0.250	0.000	1.825	-
Total Quantity					59.385 Sqm (Sqm)		59.385 Sqm (Square Meter)	

Amount					**59.385 X 160.21519286081**		**9514.38**	
18. 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	Grill	1.000	1.200	0.000	1.200	20.000	28.800	-
Total Quantity					28.8 Kg (Kilo Gram)		0.288 Qntl (Quintal)	
Amount					**0.288 X 15790.622617087**		**4547.70**	
Total Amount							**293929.49**	
Addition								
Provision for survey investigation and quality control (+) @								
Display Citizen Board (+) @							3070.51	
Provision for Contingency (+) @							3000.00	
Provision for EI Work (+) @								
Provision for PH Work (+) @								
Any Other Lumpsum (+) @								
Total Addition							**6070.51**	
Grand Net Total Amount							**300000.00**	

SANTOSHI PANDA
JE
Dharmasala Block

LINGARAJ PANDA
AEE
Dharmasala Block

Jyotirmaya Kar
BDO
Dharmasala Block