

Detailed Estimate

OD/350/3342/117114/399815/00019096 : Provision of Facility Centre at Tilakana GP Hqrs

Block : Nischinta Koili, Gram Panchayat : Tilakana

Created By: Satya Ranjan Mishra

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	column	9.000	4.500	4.500	5.000	0.000	911.250	-	
ii	longwall	3.000	25.750	2.500	2.500	0.000	482.812	-	
iii	shortwall	3.000	23.660	2.500	2.500	0.000	443.625	-	
iv	Deduction	9.000	4.500	2.500	2.500	0.000	-	253.125	
Total Quantity					1584.5625 Cft (Cubic Foot)		44.8697394 Cum (Cubic Meter)		
Amount					44.8697394 X 240.77592		10803.55		
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	column	9.000	4.500	4.500	0.500	0.000	91.125	-	
ii	longwall	3.000	25.750	2.500	0.500	0.000	96.563	-	
iii	shortwall	3.000	23.660	2.500	0.500	0.000	88.725	-	
iv	inside	1.000	21.330	23.330	2.000	0.000	995.258	-	
v	Deduction	9.000	4.500	2.500	0.500	0.000	-	50.625	

Total Quantity	1221.0453 Cft (Cubic Foot)	34.57609555104 Cum (Cubic Meter)
Amount	34.57609555104 X 550.857232	19046.49

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	column	9.000	4.500	4.500	0.500	0.000	91.125	-
ii	lonwall	3.000	25.750	2.500	0.500	0.000	96.563	-
iii	shortwall	3.000	23.660	2.500	0.500	0.000	88.725	-
iv	inside	1.000	21.330	23.330	0.330	0.000	164.218	-
v	deduction	9.000	4.500	2.500	0.500	0.000	-	50.625

Total Quantity	390.005037 Cft (Cubic Foot)	11.043694631722 Cum (Cubic Meter)
Amount	11.043694631722 X 5950.53704436	65715.91

4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (25cm x 12cm 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	1st footing	3.000	25.750	1.830	0.660	0.000	93.303	-
ii	1st footing	3.000	23.660	1.830	0.660	0.000	85.730	-
iii	2nd footing	3.000	25.750	1.250	4.660	0.000	449.981	-
iv	2nd footing	3.000	23.660	1.250	4.660	0.000	413.458	-

v	deduction	9.000	4.500	1.830	0.660	0.000	-	48.916
vi		9.000	4.500	1.250	4.660	0.000	-	235.913
Total Quantity					757.643544 Cft (Cubic Foot)		21.454040706739 Cum (Cubic Meter)	
Amount					21.454040706739 X 5024.316896648		107791.90	

5. 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.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	25.750	0.830	10.000	0.000	427.450	-
ii		2.000	23.660	0.830	10.000	0.000	392.756	-
iii		2.000	11.500	0.410	10.000	0.000	94.300	-
iv		2.000	10.500	0.410	10.000	0.000	86.100	-
v	Dwduction	1.000	4.330	0.830	7.000	0.000	-	25.157
vi		1.000	4.580	0.830	5.000	0.000	-	19.007
vii		2.000	2.500	0.410	7.000	0.000	-	14.350
viii		2.000	2.250	0.410	5.000	0.000	-	9.225
ix		9.000	1.000	1.000	10.000	0.000	-	90.000
Total Quantity					842.8667 Cft (Cubic Foot)		23.86728777056 Cum (Cubic Meter)	
Amount					23.86728777056 X 5057.646896648		120712.31	

6. R.C.C. Work (AR0404Ba) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc)(Nominal mix as per IS-456, Table-9).

Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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 concrete, pre-cast slabs etc)(Nominal mix as per IS-456, Table-9).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		9.000	4.000	4.000	1.000	0.000	144.000	-
ii		9.000	2.500	2.500	1.330	0.000	74.813	-
iii		9.000	1.660	1.660	3.000	0.000	74.401	-
Total Quantity					293.2137 Cft (Cubic Foot)		8.30287370016 Cum (Cubic Meter)	
Amount					8.30287370016 X 6445.0724805837		53512.62	

7. R.C.C. Work (AR0404Bf) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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 Sun sheds & Chajja)(Nominal mix as per IS-456, Table-9).

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		3.000	5.500	0.000	0.290	0.000	4.785	-
ii		1.000	18.410	0.000	0.290	0.000	5.339	-
Total Quantity					10.1239 Sft (Square Foot)		0.9405406817 Sqm (Square Meter)	
Amount					0.9405406817 X 1111.3714085435		1045.29	

8. R.C.C. Work (AR0404Bb) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Plinth band)(Nominal mix as per IS-456, Table-9).

Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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)(Nominal mix as per IS-456, Table-9)..

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i		3.000	24.000	1.250	0.830	0.000	74.700	-
ii		3.000	21.330	1.250	0.830	0.000	66.390	-
Total Quantity					141.089625 Cft (Cubic Foot)		3.9952066932 Cum (Cubic Meter)	
Amount					3.9952066932 X 7201.8946057254		28773.06	
9. 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)								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		3.000	25.750	1.000	0.830	0.000	64.118	-
ii		3.000	23.660	1.000	0.830	0.000	58.913	-
iii		9.000	1.250	1.000	10.000	0.000	112.500	-
Total Quantity					235.5309 Cft (Cubic Foot)		6.66948138912 Cum (Cubic Meter)	
Amount					6.66948138912 X 14500.825867904		96712.99	
10. R.C.C. Work (AR0404Bg) : Reinforced cement concrete work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips(RCC Roof slab, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).								
Reinforced cement concrete work of M-20 grade with 20mm & downgrade 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, lending, balcony, sun shed)(Nominal mix as per IS-456, Table-9).								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		1.000	26.750	24.660	0.410	0.000	270.459	-
Total Quantity					270.45855 Cft (Cubic Foot)		7.65852066864 Cum (Cubic Meter)	

Amount					7.65852066864 X 12746.956884974	97622.83		
11. 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	Base founsdation	0.000	1.100	8.300	0.000	0.000	9.130	-
ii	plinth band	0.000	1.100	3.990	0.000	0.000	4.389	-
iii	Chhaja	0.000	1.100	0.650	0.000	0.000	0.715	-
iv	column & Beam	0.000	1.100	6.670	0.000	0.000	7.337	-
v	Roof Slab	0.000	1.100	7.650	0.000	0.000	8.415	-
Total Quantity					29.986 Qntl (Quintal)		29.986 Qntl (Quintal)	
Amount					29.986 X 8773.109268		263070.45	
12. 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		1.000	26.750	24.660	0.000	0.000	659.655	-
Total Quantity					659.655 Sft (Square Foot)		61.283928465 Sqm (Square Meter)	
Amount					61.283928465 X 356.7096544772		21860.57	
13. 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.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i		2.000	21.330	0.000	10.000	0.000	426.600	-
ii		2.000	23.330	0.000	10.000	0.000	466.600	-
iii		2.000	10.660	0.000	10.000	0.000	213.200	-
iv		2.000	10.660	0.000	10.000	0.000	213.200	-
v		2.000	9.660	0.000	10.000	0.000	193.200	-
vi		2.000	9.660	0.000	10.000	0.000	193.200	-
vii	Deduction	1.000	4.330	0.000	7.000	0.000	-	30.310
viii		1.000	4.580	0.000	5.000	0.000	-	22.900
ix		2.000	2.500	0.000	7.000	0.000	-	35.000
x		2.000	2.250	0.000	7.000	0.000	-	31.500
Total Quantity					1586.29 Sft (Square Foot)		147.37109987 Sqm (Square Meter)	
Amount					147.37109987 X 240.731117612		35476.81	
14. 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		2.000	25.750	0.000	11.000	0.000	566.500	-
ii		2.000	23.660	0.000	11.000	0.000	520.520	-
iii	Deduction	1.000	3.330	0.000	7.000	0.000	-	23.310
Total Quantity					1063.71 Sft (Square Foot)		98.82185013 Sqm (Square Meter)	
Amount					98.82185013 X 167.0413514872		16507.34	

15. Masonry Brick Work (AR0603bi) : First floor

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	parapet	2.000	25.750	0.830	3.160	0.000	135.074	-
ii		2.000	21.330	0.830	3.160	0.000	111.889	-
Total Quantity					246.962848 Cft (Cubic Foot)		6.9931975742464 Cum (Cubic Meter)	
Amount					6.9931975742464 X 5386.677626648		37670.10	

16. Plastering (AR1006) : 12mm thick cement plaster (1:4) over brickwork in inside

12mm thick cement plaster (1:4) over brickwork in inside with cement punning for skirting/wall punning including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labor, 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	Ceiling	1.000	23.330	21.330	0.000	0.000	497.629	-
Total Quantity					497.6289 Sft (Square Foot)		46.2312176967 Sqm (Square Meter)	
Amount					46.2312176967 X 187.3104680496		8659.59	
Total Amount							984981.82	
Addition								
Provision for PH Work (+) @								
Provision for EI Work (+) @								
Provision for Contingency (+) @							10000.00	
Display Citizen Board (+) @							5018.00	
Any Other Lumpsum (+) @								

Provision for survey investigation and quality control (+) @	
Total Addition	15018.00
Grand Net Total Amount	999999.82

JE
Nischinta Koili Block

Manas Kumar Kar
AEE
Nischinta Koili Block

Dibyendu Kumar Das
BDO
Nischinta Koili Block