

Detailed Estimate

OD/362/3458/119575/408359/00106153 : Construction of community center near Maa Kaluni Mandir at Kiagorada
Block : Banapur, Gram Panchayat : Niladriparashad
Created By: PRASANTA KUMAR SAHOO

| 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. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Plinth | 1.000 | 7.500 | 4.100 | 0.300 | 0.000 | 9.225 | - |
| ii | Ver | 1.000 | 7.500 | 1.750 | 0.300 | 0.000 | 3.938 | - |
| iii | Step | 1.000 | 7.500 | 0.600 | 0.200 | 0.000 | 0.900 | - |
| Total Quantity | | | | | | 14.0625 cum (cum) | 14.0625 Cum (Cubic Meter) | |
| Amount | | | | | | 14.0625 X 1560.907732 | 21950.26 | |
| 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. | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Plinth | 1.000 | 7.500 | 4.100 | 0.100 | 0.000 | 3.075 | - |
| ii | Ver | 1.000 | 7.500 | 1.750 | 0.100 | 0.000 | 1.313 | - |
| iii | Step | 1.000 | 7.500 | 0.600 | 0.100 | 0.000 | 0.450 | - |
| Total Quantity | | | | | | 4.8375 cum (cum) | 4.8375 Cum (Cubic Meter) | |
| Amount | | | | | | 4.8375 X 6490.8348415 | 31399.41 | |
| 3. R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering) | | | | | | | | |
| SI No | Description | No | L | B | D | CF | Quantity | Deduction |

| | | | | | | | | |
|----------------|--------|--------|-------|-------|--|-------|------------------------------|---|
| i | Col | 9.000 | 0.230 | 0.230 | 2.900 | 0.000 | 1.381 | - |
| ii | Lintel | 35.550 | 0.200 | 0.150 | 0.000 | 0.000 | 1.067 | - |
| iii | Chajja | 1.000 | 7.950 | 0.600 | 0.075 | 0.000 | 0.358 | - |
| iv | Side | 2.000 | 2.200 | 0.600 | 0.075 | 0.000 | 0.198 | - |
| v | Window | 2.000 | 1.200 | 0.600 | 0.075 | 0.000 | 0.108 | - |
| vi | Beam | 1.000 | 4.550 | 0.250 | 0.250 | 0.000 | 0.284 | - |
| vii | Slab | 1.000 | 8.250 | 6.850 | 0.125 | 0.000 | 7.064 | - |
| viii | Inside | 1.000 | 4.100 | 0.600 | 0.075 | 0.000 | 0.185 | - |
| Total Quantity | | | | | 10.6438775 cum (cum) | | 10.6438775 Cum (Cubic Meter) | |
| Amount | | | | | 10.6438775 X 6564.368264695 | | 69870.33 | |

4. R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, grider and bressmer, etc. Data for 4.2sqm

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|-------|-------------------------------------|-------|---------------------------|-----------|
| i | Column | 9.000 | 4.000 | 0.230 | 2.900 | 0.000 | 24.012 | - |
| ii | Beam | 1.000 | 1.000 | 4.100 | 0.760 | 0.000 | 3.116 | - |
| Total Quantity | | | | | 27.128 Sqm (Sqm) | | 27.128 Sqm (Square Meter) | |
| Amount | | | | | 27.128 X 1047.3822930467 | | 28413.39 | |

5. R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. Lintels Data for 7.8 sqm

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|----------------|-------------|-------|-------|--------|------------------|-------|---------------------------|-----------|
| i | Lintel | 1.000 | 2.000 | 35.550 | 0.150 | 0.000 | 10.665 | - |
| Total Quantity | | | | | 10.665 Sqm (Sqm) | | 10.665 Sqm (Square Meter) | |

| Amount | | | | | | 10.665 X 499.15267251462 | 5323.46 | |
|--|-------------|-------|-------|-------|------------------------------|-------------------------------------|----------------------------|-----------|
| 6. R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas | | | | | | | | |
| Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height | | | | | | | | |
| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
| i | Chajja | 1.000 | 8.250 | 0.600 | 0.000 | 0.000 | 4.950 | - |
| ii | Side | 2.000 | 2.200 | 0.600 | 0.000 | 0.000 | 2.640 | - |
| iii | Inside | 1.000 | 4.100 | 0.600 | 0.000 | 0.000 | 2.460 | - |
| iv | Window | 2.000 | 1.200 | 0.600 | 0.000 | 0.000 | 1.440 | - |
| Total Quantity | | | | | 11.49 Sqm (Sqm) | | 11.49 Sqm (Square Meter) | |
| Amount | | | | | 11.49 X 662.689943368 | | 7614.31 | |
| 7. 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 | HYSd Bar | 1.000 | 9.500 | 0.000 | 0.000 | 0.000 | 9.500 | - |
| Total Quantity | | | | | 9.5 Qntl (Quintal) | | 9.5 Qntl (Quintal) | |
| Amount | | | | | 9.5 X 8656.9325535 | | 82240.86 | |
| 8. Plastering (AR1017) : 20mm thick cement Plaster in CM (1:4) over masonry work in inside. | | | | | | | | |
| 20mm thick cement Plaster in CM (1:4) over stone 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 | Over Slab | 1.000 | 8.250 | 6.850 | 0.000 | 0.000 | 56.513 | - |
| Total Quantity | | | | | 56.5125 Sqm (Sqm) | | 56.5125 Sqm (Square Meter) | |

| | | |
|--------|------------------------|----------|
| Amount | 56.5125 X 284.66366816 | 16087.06 |
|--------|------------------------|----------|

9. Masonry Brick Work (AR0610aa) : Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (400mm x 200mm x 200mm size) in cement mortar (1:4) in superstructure

Cement concrete solid Block machine mixed and Hydraulic compressed having crushing strength not less than 75kg/cm2 (400mm x 200mm x 200mm size) in cement mortar (1:4) in superstructure immersing the concrete solid Block 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 | 7.950 | 0.200 | 2.900 | 0.000 | 0.000 | 4.611 | - |
| ii | 2 | 4.100 | 0.200 | 2.900 | 0.000 | 0.000 | 2.378 | - |
| iii | 1 | 7.950 | 0.200 | 0.800 | 0.000 | 0.000 | 1.272 | - |
| iv | 2 | 1.750 | 0.200 | 0.800 | 0.000 | 0.000 | 0.280 | - |
| v | Door | 1.050 | 0.200 | 2.000 | 0.000 | 0.000 | - | 0.420 |
| vi | Window | 3.000 | 0.900 | 0.200 | 0.900 | 0.000 | - | 0.486 |
| vii | Step | 1.000 | 7.500 | 0.600 | 0.200 | 0.000 | 0.900 | - |
| viii | Step | 1.000 | 7.500 | 0.300 | 0.200 | 0.000 | 0.450 | - |
| Total Quantity | | | | | 8.985 cum (cum) | | 8.985 Cum (Cubic Meter) | |
| Amount | | | | | 8.985 X 5634.93554201 | | 50629.90 | |

10. 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.

| Sl No | Description | No | L | B | D | CF | Quantity | Deduction |
|-------|-------------|-------|-------|-------|-------|-------|----------|-----------|
| i | Out Side | 2.000 | 7.950 | 3.500 | 0.000 | 0.000 | 55.650 | - |
| ii | Side | 2.000 | 4.550 | 3.500 | 0.000 | 0.000 | 31.850 | - |
| iii | Front | 1.000 | 7.950 | 1.200 | 0.000 | 0.000 | 9.540 | - |
| iv | Ver Side | 2.000 | 2.000 | 1.200 | 0.000 | 0.000 | 4.800 | - |
| v | Door | 1.000 | 0.500 | 1.050 | 2.000 | 0.000 | - | 1.050 |

| | | | | | | | | |
|----------------|---|-------|-------|-------|----------------------|-------|--------------------------|-------|
| vi | W | 2.000 | 0.500 | 0.900 | 0.900 | 0.000 | - | 0.810 |
| Total Quantity | | | | | 99.98 Sqm (Sqm) | | 99.98 Sqm (Square Meter) | |
| Amount | | | | | 99.98 X 182.23890257 | | 18220.25 | |

11. 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 | Inside | 2.000 | 7.500 | 3.050 | 0.000 | 0.000 | 45.750 | - |
| ii | inside | 2.000 | 4.200 | 3.050 | 0.000 | 0.000 | 25.620 | - |
| iii | ver | 1.000 | 7.500 | 1.200 | 0.000 | 0.000 | 9.000 | - |
| iv | Side | 2.000 | 1.750 | 1.200 | 0.000 | 0.000 | 4.200 | - |
| v | Door | 1.000 | 0.500 | 1.050 | 2.000 | 0.000 | - | 1.050 |
| vi | W | 3.000 | 0.500 | 0.900 | 0.900 | 0.000 | - | 1.215 |
| vii | Step | 1.000 | 7.500 | 1.000 | 0.000 | 0.000 | 7.500 | - |
| Total Quantity | | | | | 89.805 Sqm (Sqm) | | 89.805 Sqm (Square Meter) | |
| Amount | | | | | 89.805 X 258.96820665 | | 23256.64 | |

12. 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.

| SI No | Description | No | L | B | D | CF | Quantity | Deduction |
|-------|-------------|-------|-------|-------|-------|-------|----------|-----------|
| i | Column | 3.000 | 4.000 | 0.230 | 2.000 | 0.000 | 5.520 | - |
| ii | Chajja | 1.000 | 2.000 | 7.500 | 0.600 | 0.000 | 9.000 | - |
| iii | Chajja | 2.000 | 2.000 | 2.200 | 0.600 | 0.000 | 5.280 | - |
| iv | W | 2.000 | 2.000 | 1.200 | 0.600 | 0.000 | 2.880 | - |
| v | Room Chajja | 1.000 | 2.000 | 4.100 | 0.600 | 0.000 | 4.920 | - |

| | | |
|----------------|---------------------|-------------------------|
| Total Quantity | 27.6 Sqm (Sqm) | 27.6 Sqm (Square Meter) |
| Amount | 27.6 X 195.19097188 | 5387.27 |

13. 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 | Door | 1.000 | 1.050 | 2.000 | 30.000 | 0.000 | 63.000 | - |
| ii | W | 3.000 | 0.900 | 0.900 | 40.000 | 0.000 | 97.200 | - |
| Total Quantity | | | | | 160.2 Kg (Kilo Gram) | | 1.602 Qntl (Quintal) | |
| Amount | | | | | 1.602 X 15988.861377087 | | 25614.16 | |

Total Amount (A) : 386007.29

Additional Components

| # | Item Name | Remark | Amount (in Rs.) |
|---|-------------------------------------|--------|-----------------|
| 1 | Provision for EI Work @ Rs.4990 | - | 4990 |
| 2 | Provision for Contingency @ Rs.4000 | - | 4000 |
| 3 | Display Citizen Board @ Rs.5000 | - | 5000 |

Additional Components Amount (F) : 13990

Grand Total Amount (A + F) : 399997.29042598

PRASANTA KUMAR SAHOO
JE
Banapur Block

SURESH MALIK
AEE
Banapur Block

Sri Bikash Kumar Mohanty
BDO
Banapur Block