

## Detailed Estimate

**OD/347/3312/116380/380624/00016497 : Improvement/Completion Of Mandap Ghar At Canalpada,Dumerpali**  
**Block : Bargarh, Gram Panchayat : Gudesira**  
**Created By:SUSHMITA TIRKEY**

| <b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>   |             |       |        |       |                            |       |                                   |           |
|---|-------------|-------|--------|-------|----------------------------|-------|-----------------------------------|-----------|
| 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      | 8.000 | 0.900  | 0.900 | 0.900                      | 0.000 | 5.832                             | -         |
| ii  | L/W         | 2.000 | 11.520 | 0.600 | 0.600                      | 0.000 | 8.294                             | -         |
| iii   | S/W         | 2.000 | 8.790  | 0.600 | 0.600                      | 0.000 | 6.329                             | -         |
| iv  | COLUMN      | 8.000 | 0.900  | 0.600 | 0.600                      | 0.000 | -                                 | 2.592     |
| <b>Total Quantity</b>   |             |       |        |       | <b>17.8632 cum (cum)</b>   |       | <b>17.8632 Cum (Cubic Meter)</b>  |           |
| <b>Amount</b>   |             |       |        |       | <b>17.8632 X 240.77592</b> |       | <b>4301.03</b>                    |           |
| <b>2. 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.  |             |       |        |       |                            |       |                                   |           |
| Sl No   | Description | No    | L      | B     | D                          | CF    | Quantity                          | Deduction |
| i   | COLUMN      | 8.000 | 0.900  | 0.900 | 0.100                      | 0.000 | 0.648                             | -         |
| ii  | L/W         | 2.000 | 11.520 | 0.600 | 0.100                      | 0.000 | 1.382                             | -         |
| iii   | S/W         | 2.000 | 8.790  | 0.600 | 0.100                      | 0.000 | 1.055                             | -         |
| iv  | COLUMN      | 8.000 | 0.900  | 0.600 | 0.100                      | 0.000 | -                                 | 0.432     |
| v   | HALL        | 1.000 | 10.690 | 9.160 | 0.300                      | 0.000 | 29.376                            | -         |
| <b>Total Quantity</b>   |             |       |        |       | <b>32.02932 cum (cum)</b>  |       | <b>32.02932 Cum (Cubic Meter)</b> |           |

| Amount  |             |       |        |       | 32.02932 X 630.000832       | 20178.50 |                            |           |
|---|-------------|-------|--------|-------|-----------------------------|----------|----------------------------|-----------|
| <b>3. 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.  |             |       |        |       |                             |          |                            |           |
| Sl No   | Description | No    | L      | B     | D                           | CF       | Quantity                   | Deduction |
| i   | COLUMN      | 8.000 | 0.900  | 0.900 | 0.080                       | 0.000    | 0.518                      | -         |
| ii  | L/W         | 2.000 | 11.520 | 0.600 | 0.080                       | 0.000    | 1.106                      | -         |
| iii   | S/W         | 2.000 | 8.790  | 0.600 | 0.080                       | 0.000    | 0.844                      | -         |
| iv  | COLUMN      | 8.000 | 0.900  | 0.600 | 0.080                       | 0.000    | -                          | 0.346     |
| v   | HALL        | 1.000 | 10.690 | 9.160 | 0.080                       | 0.000    | 7.834                      | -         |
| Total Quantity  |             |       |        |       | 9.956192 cum (cum)          |          | 9.956192 Cum (Cubic Meter) |           |
| Amount  |             |       |        |       | 9.956192 X<br>5481.28989296 |          | 54572.77                   |           |
| <b>4. Masonry Brick Work (AR0603c) : Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  |             |       |        |       |                             |          |                            |           |
| 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/cm <sup>2</sup> 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   | LW          | 2.000 | 11.300 | 0.380 | 0.400                       | 0.000    | 3.435                      | -         |
| ii  | SW          | 2.000 | 9.010  | 0.380 | 0.400                       | 0.000    | 2.739                      | -         |
| iii   | COLUMN      | 8.000 | 0.230  | 0.230 | 0.400                       | 0.000    | -                          | 0.169     |
| Total Quantity  |             |       |        |       | 6.00496 cum (cum)           |          | 6.00496 Cum (Cubic Meter)  |           |
| Amount  |             |       |        |       | 6.00496 X<br>5045.678101728 |          | 30299.10                   |           |
| <b>5. Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure</b>  |             |       |        |       |                             |          |                            |           |

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/cm<sup>2</sup> with dimensional tolerance  $\pm 8$  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/W         | 2.000 | 11.150 | 0.230 | 0.910                        | 0.000 | 4.667                      | -         |
| ii             | S/W         | 2.000 | 9.160  | 0.230 | 0.910                        | 0.000 | 3.834                      | -         |
| iii            | DOOR        | 1.000 | 1.200  | 0.230 | 0.910                        | 0.000 | -                          | 0.251     |
| Total Quantity |             |       |        |       | 8.250606 cum (cum)           |       | 8.250606 Cum (Cubic Meter) |           |
| Amount         |             |       |        |       | 8.250606 X<br>5062.747101728 |       | 41770.73                   |           |

**6. Roofing (AR1132i) : Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties**

Supplying, fitting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge

| Sl No          | Description | No    | L      | B     | D                             | CF    | Quantity                    | Deduction |
|----------------|-------------|-------|--------|-------|-------------------------------|-------|-----------------------------|-----------|
| i              | SHEET       | 1.000 | 11.130 | 9.750 | 0.000                         | 0.000 | 108.518                     | -         |
| Total Quantity |             |       |        |       | 108.5175 Sqm (Sqm)            |       | 108.5175 Sqm (Square Meter) |           |
| Amount         |             |       |        |       | 108.5175 X<br>537.51755491832 |       | 58330.06                    |           |

**7. Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks**

Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery 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              | IRON ANGLE  | 1.950 | 0.000 | 0.000 | 0.000                     | 0.000 | 1.950               | -         |
| Total Quantity |             |       |       |       | 1.95 Qntl (Quintal)       |       | 1.95 Qntl (Quintal) |           |
| Amount         |             |       |       |       | 1.95 X<br>13445.925466252 |       | 26219.55            |           |

**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.

| SI No          | Description | No    | L      | B     | D                                 | CF    | Quantity                  | Deduction |
|----------------|-------------|-------|--------|-------|-----------------------------------|-------|---------------------------|-----------|
| i              | HALL        | 1.000 | 39.700 | 0.000 | 0.910                             | 0.000 | 36.127                    | -         |
| ii             | DOOR        | 1.000 | 1.200  | 0.000 | 0.910                             | 0.000 | -                         | 1.092     |
| Total Quantity |             |       |        |       | 35.035 Sqm (Sqm)                  |       | 35.035 Sqm (Square Meter) |           |
| <b>Amount</b>  |             |       |        |       | <b>35.035 X<br/>245.653556632</b> |       | <b>8606.47</b>            |           |

**9. Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside.**

12mm thick cement plaster (1:6) over Brick work in outside 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              | HALL        | 1.000 | 41.540 | 0.000 | 1.200                              | 0.000 | 49.848                    | -         |
| ii             | DOOR        | 1.000 | 1.200  | 0.000 | 0.910                              | 0.000 | -                         | 1.092     |
| Total Quantity |             |       |        |       | 48.756 Sqm (Sqm)                   |       | 48.756 Sqm (Square Meter) |           |
| <b>Amount</b>  |             |       |        |       | <b>48.756 X<br/>171.1407103992</b> |       | <b>8344.14</b>            |           |

**10. Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips**

2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.

| SI No          | Description | No    | L      | B     | D                                   | CF    | Quantity                   | Deduction |
|----------------|-------------|-------|--------|-------|-------------------------------------|-------|----------------------------|-----------|
| i              | HALL        | 1.000 | 10.690 | 9.160 | 0.000                               | 0.000 | 97.920                     | -         |
| Total Quantity |             |       |        |       | 97.9204 Sqm (Sqm)                   |       | 97.9204 Sqm (Square Meter) |           |
| <b>Amount</b>  |             |       |        |       | <b>97.9204 X<br/>367.6340287992</b> |       | <b>35998.87</b>            |           |

**11. Plastering (AR1041i) : Finishing wall cement washing one coat on the outer surface of on new work**

Finishing wall cement washing one coat on the outer surface of on new work including all costs of labour, Paint and Brushes 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              | HALL            | 1.000 | 39.370 | 0.000 | 0.910                                | 0.000 | 35.827                     | -         |
| ii             | HALL<br>OUTSIDE | 1.000 | 41.540 | 0.000 | 1.200                                | 0.000 | 49.848                     | -         |
| Total Quantity |                 |       |        |       | 85.6747 Sqm (Sqm)                    |       | 85.6747 Sqm (Square Meter) |           |
| <b>Amount</b>  |                 |       |        |       | <b>85.6747 X<br/>17.706370191656</b> |       | <b>1516.99</b>             |           |

**12. Painting (AR0918Ai) : Finishing wall one coat with weather coat**

Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes 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                   | HALL        | 1.000 | 85.675 | 0.000 | 0.000                        | 0.000 | 85.675                     | -         |
| Total Quantity      |             |       |        |       | 85.6747 Sqm (Sqm)            |       | 85.6747 Sqm (Square Meter) |           |
| <b>Amount</b>       |             |       |        |       | <b>85.6747 X 57.09560199</b> |       | <b>4891.65</b>             |           |
| <b>Total Amount</b> |             |       |        |       |                              |       | <b>295029.86</b>           |           |

**Addition**

|  |  |  |  |  |  |  |                |  |
|--|--|--|--|--|--|--|----------------|--|
| Provision for PH Work (+) @                                  |  |  |  |  |  |  |                |  |
| Provision for EI Work (+) @                                  |  |  |  |  |  |  |                |  |
| Provision for Contingency (+) @                              |  |  |  |  |  |  | 1970.00        |  |
| Display Citizen Board (+) @                                  |  |  |  |  |  |  | 3000.00        |  |
| Any Other Lumpsum (+) @                                      |  |  |  |  |  |  |                |  |
| Provision for survey investigation and quality control (+) @ |  |  |  |  |  |  |                |  |
| <b>Total Addition</b>  |  |  |  |  |  |  | <b>4970.00</b> |  |

|                               |                  |
|-------------------------------|------------------|
| <b>Grand Net Total Amount</b> | <b>299999.86</b> |
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**SUSHMITA TIRKEY**  
**JE**  
**Bargarh Block**

**SANTOSH KUMAR BEHERA**  
**AEE**  
**Bargarh Block**

**BERCIUS DUNGUNG**  
**BDO**  
**Bargarh Block**