

## Detailed Estimate

**OD/371/3562/121352/381567/00063969 : Repair and Renovation of Boxma Market Complex**

**Block : Kuchinda, Gram Panchayat : Boxama**

**Created By:Dusmant Kisan**

| <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  |               |       |        |       |                     |       |                          |           |
| SI No  | Description   | No    | L      | B     | D                   | CF    | Quantity                 | Deduction |
| i  | Boundary wall | 1.000 | 6.090  | 0.600 | 0.600               | 0.000 | 2.192                    | -         |
| Total Quantity   |               |       |        |       | 2.1924 cum (cum)    |       | 2.1924 Cum (Cubic Meter) |           |
| Amount   |               |       |        |       | 2.1924 X 240.77592  |       | 527.88                   |           |
| <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.   |               |       |        |       |                     |       |                          |           |
| SI No  | Description   | No    | L      | B     | D                   | CF    | Quantity                 | Deduction |
| i  | Boundary wall | 1.000 | 6.090  | 0.600 | 0.100               | 0.000 | 0.365                    | -         |
| ii   | Varandah      | 1.000 | 17.980 | 1.800 | 0.100               | 0.000 | 3.236                    | -         |
| Total Quantity   |               |       |        |       | 3.6018 cum (cum)    |       | 3.6018 Cum (Cubic Meter) |           |
| Amount   |               |       |        |       | 3.6018 X 486.681832 |       | 1752.93                  |           |
| <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. |               |       |        |       |                     |       |                          |           |
| SI No  | Description   | No    | L      | B     | D                   | CF    | Quantity                 | Deduction |
| i  | varandah      | 1.000 | 17.980 | 1.680 | 0.150               | 1.000 | 4.531                    | -         |

|   |               |       |        |       |                            |       |                              |           |
|---|---------------|-------|--------|-------|----------------------------|-------|------------------------------|-----------|
| ii  | boundary wall | 1.000 | 6.090  | 0.500 | 0.150                      | 0.000 | 0.457                        | -         |
| Total Quantity  |               |       |        |       | 4.98771 cum (cum)          |       | 4.98771 Cum (Cubic Meter)    |           |
| Amount  |               |       |        |       | 4.98771 X 5040.0440563     |       | 25138.28                     |           |
| <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. |               |       |        |       |                            |       |                              |           |
| SI No   | Description   | No    | L      | B     | D                          | CF    | Quantity                     | Deduction |
| i   | Step          | 1.000 | 16.550 | 0.600 | 0.175                      | 0.000 | 1.738                        | -         |
| ii  |               | 1.000 | 16.550 | 0.300 | 0.175                      | 0.000 | 0.869                        | -         |
| iii   |               | 1.000 | 16.550 | 0.125 | 0.075                      | 0.000 | 0.155                        | -         |
| iv  | Boundary wall | 1.000 | 6.090  | 0.500 | 0.250                      | 0.000 | 0.761                        | -         |
| Total Quantity  |               |       |        |       | 3.52303125 cum (cum)       |       | 3.52303125 Cum (Cubic Meter) |           |
| Amount  |               |       |        |       | 3.52303125 X 4882.75666944 |       | 17202.10                     |           |
| <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 ±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   | Boundary wall | 1.000 | 6.090  | 0.250 | 1.850                      | 0.000 | 2.817                        | -         |
| ii  | Coping        | 0.500 | 6.090  | 0.400 | 0.150                      | 0.000 | 0.183                        | -         |
| Total Quantity  |               |       |        |       | 2.999325 cum (cum)         |       | 2.999325 Cum (Cubic Meter)   |           |
| Amount  |               |       |        |       | 2.999325 X 4916.08666944   |       | 14744.94                     |           |

**6. 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              | Ceiling     | 4.000 | 4.250  | 3.800 | 0.000                 | 0.000 | 64.600                   | -         |
| ii             |             | 1.000 | 16.550 | 1.000 | 0.000                 | 0.000 | 16.550                   | -         |
| Total Quantity |             |       |        |       | 81.15 Sqm (Sqm)       |       | 81.15 Sqm (Square Meter) |           |
| Amount         |             |       |        |       | 81.15 X 186.845378644 |       | 15162.50                 |           |

**7. 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              | Boundary wall | 1.000 | 6.090 | 0.000 | 2.000                 | 0.000 | 12.180                   | -         |
| Total Quantity |               |       |       |       | 12.18 Sqm (Sqm)       |       | 12.18 Sqm (Square Meter) |           |
| Amount         |               |       |       |       | 12.18 X 165.851339066 |       | 2020.07                  |           |

**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.

| Sl No          | Description   | No    | L     | B     | D                     | CF    | Quantity                  | Deduction |
|----------------|---------------|-------|-------|-------|-----------------------|-------|---------------------------|-----------|
| i              | Boundary wall | 1.000 | 6.090 | 0.000 | 2.200                 | 0.000 | 13.398                    | -         |
| Total Quantity |               |       |       |       | 13.398 Sqm (Sqm)      |       | 13.398 Sqm (Square Meter) |           |
| Amount         |               |       |       |       | 13.398 X 239.30281581 |       | 3206.18                   |           |

**9. 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              | Room        | 4.000 | 4.250 | 3.800 | 0.000                | 0.000 | 64.600                  | -         |
| Total Quantity |             |       |       |       | 64.6 Sqm (Sqm)       |       | 64.6 Sqm (Square Meter) |           |
| Amount         |             |       |       |       | 64.6 X 997.742342555 |       | 64454.16                |           |

**10. Flooring (AR0817a) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755)**

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) 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 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              | Room        | 8.000 | 4.250  | 0.000 | 0.190                    | 0.000 | 6.460                       | -         |
| ii             |             | 8.000 | 3.800  | 0.000 | 0.190                    | 0.000 | 5.776                       | -         |
| iii            | Step Dado   | 2.000 | 16.550 | 0.000 | 0.175                    | 0.000 | 5.793                       | -         |
| iv             |             | 1.000 | 16.550 | 0.000 | 0.125                    | 0.000 | 2.069                       | -         |
| Total Quantity |             |       |        |       | 20.09725 Sqm (Sqm)       |       | 20.09725 Sqm (Square Meter) |           |
| Amount         |             |       |        |       | 20.09725 X 1312.42051957 |       | 26376.04                    |           |

**11. Painting (AR0918c) : Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new work (Outside)**

Finishing wall with two coat water proofing cement paint including one coat cement wash on the outer surface of approved shade on new 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     | L/Wall Back Side | 2.000 | 16.550 | 0.000 | 3.200 | 0.000 | 105.920  | -         |

|                |               |       |        |       |                             |       |                           |       |  |
|----------------|---------------|-------|--------|-------|-----------------------------|-------|---------------------------|-------|--|
| ii             | S/Wall        | 2.000 | 4.800  | 0.000 | 3.200                       | 0.000 | 30.720                    | -     |  |
| iii            | Plinth L/Wall | 2.000 | 16.550 | 0.000 | 0.500                       | 0.000 | 16.550                    | -     |  |
| iv             | S/Wall        | 2.000 | 4.800  | 0.000 | 0.500                       | 0.000 | 4.800                     | -     |  |
| v              | Ceiling       | 1.000 | 16.550 | 0.000 | 1.000                       | 0.000 | 16.550                    | -     |  |
| vi             | Boundary Wall | 2.000 | 6.090  | 0.000 | 2.000                       | 0.000 | 24.360                    | -     |  |
| vii            | Shutter       | 2.000 | 2.100  | 0.000 | 2.100                       | 0.000 | -                         | 8.820 |  |
| Total Quantity |               |       |        |       | 190.08 Sqm (Sqm)            |       | 190.08 Sqm (Square Meter) |       |  |
| Amount         |               |       |        |       | 190.08 X<br>57.445003616344 |       | 10919.15                  |       |  |

### 12. Other Building Items. (AR1902) : cement based wall putty (water based)

Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc.complete. and as per the direction of Engineer in Charge.

| SI No          | Description       | No    | L     | B     | D                | CF    | Quantity                 | Deduction |  |
|----------------|-------------------|-------|-------|-------|------------------|-------|--------------------------|-----------|--|
| i              | L/Wall            | 8.000 | 4.250 | 0.000 | 3.050            | 0.000 | 103.700                  | -         |  |
| ii             | S/Wall            | 8.000 | 3.800 | 0.000 | 3.050            | 0.000 | 92.720                   | -         |  |
| iii            | Ceiling           | 4.000 | 4.250 | 0.000 | 3.800            | 0.000 | 64.600                   | -         |  |
| iv             | Deduction Shutter | 2.000 | 2.100 | 0.000 | 2.100            | 0.000 | -                        | 8.820     |  |
| Total Quantity |                   |       |       |       | 252.2 Sqm (Sqm)  |       | 252.2 Sqm (Square Meter) |           |  |
| Amount         |                   |       |       |       | 252.2 X 79.21834 |       | 19978.87                 |           |  |

### 13. Painting (AR0901di) : Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface )

Priming one coat with outer 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              | Same as Area of Cement paint | 1.000 | 0.000 | 0.000 | 0.000                    | 190.080 | 190.080                   | - |
| ii             | Same As Putty Area           | 1.000 | 0.000 | 0.000 | 0.000                    | 252.200 | 252.200                   | - |
| Total Quantity |                              |       |       |       | 442.28 Sqm (Sqm)         |         | 442.28 Sqm (Square Meter) |   |
| Amount         |                              |       |       |       | 442.28 X 72.852861003871 |         | 32221.36                  |   |

**14. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)**

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              | Same as area of putty work | 1.000 | 252.200 | 0.000 | 0.000                | 0.000 | 252.200                  | -         |
| Total Quantity |                            |       |         |       | 252.2 Sqm (Sqm)      |       | 252.2 Sqm (Square Meter) |           |
| Amount         |                            |       |         |       | 252.2 X 94.757131925 |       | 23897.75                 |           |

**15. 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              | Same as Cement paint | 1.000 | 0.000 | 0.000 | 0.000                 | 190.080 | 190.080                   | -         |
| Total Quantity |                      |       |       |       | 190.08 Sqm (Sqm)      |         | 190.08 Sqm (Square Meter) |           |
| Amount         |                      |       |       |       | 190.08 X 87.870194425 |         | 16702.37                  |           |

**16. Flooring (AR0816) : Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor**

Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades 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              | Step        | 2.000 | 16.550 | 0.000 | 0.300                      | 0.000 | 9.930                     | -         |
| ii             |             | 1.000 | 16.550 | 0.000 | 0.100                      | 0.000 | 1.655                     | -         |
| Total Quantity |             |       |        |       | 11.585 Sqm (Sqm)           |       | 11.585 Sqm (Square Meter) |           |
| Amount         |             |       |        |       | 11.585 X<br>1175.456356144 |       | 13617.66                  |           |

**17. 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.

| Sl No          | Description | No    | L      | B     | D                     | CF    | Quantity                 | Deduction |
|----------------|-------------|-------|--------|-------|-----------------------|-------|--------------------------|-----------|
| i              | Varandah    | 1.000 | 17.980 | 1.800 | 0.075                 | 0.000 | 2.427                    | -         |
| ii             |             | 5.000 | 0.380  | 0.380 | 0.450                 | 0.000 | 0.325                    | -         |
| Total Quantity |             |       |        |       | 2.7522 cum (cum)      |       | 2.7522 Cum (Cubic Meter) |           |
| Amount         |             |       |        |       | 2.7522 X 6879.0698121 |       | 18932.58                 |           |

**18. Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties**

Supplying, fitting & fixing of G.C.I. Sheet (0.30mm 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 | 16.550 | 2.100 | 0.000                       | 0.000 | 34.755                    | -         |
| Total Quantity |             |       |        |       | 34.755 Sqm (Sqm)            |       | 34.755 Sqm (Square Meter) |           |
| Amount         |             |       |        |       | 34.755 X<br>521.46473733032 |       | 18123.51                  |           |
| Total Amount   |             |       |        |       |                             |       | 324978.32                 |           |

| <b>Addition</b>  |                  |
|--|------------------|
| Provision for PH Work (+) @                                  |                  |
| Provision for EI Work (+) @                                  |                  |
| Provision for Contingency (+) @                              | 4000.00          |
| Display Citizen Board (+) @                                  | 3000.00          |
| Any Other Lumpsum (+) @                                      | 68021.50         |
| Provision for survey investigation and quality control (+) @ |                  |
| <b>Total Addition</b>  | <b>75021.50</b>  |
| <b>Grand Net Total Amount</b>                                | <b>399999.82</b> |

**Dusmant Kisan**  
**JE**  
**Kuchinda Block**

**Prangya Paramita Nayak**  
**AEE**  
**Kuchinda Block**

**Jayanta sahu**  
**BDO**  
**Kuchinda Block**