

# Bill of Quantities and Specification

for  
MRC Center

IOM



July 2018  
Addis Ababa

# GRAND SUMMARY

| Item No            | Project Section                                  | Total Amount |
|--------------------|--|--------------|
| 1                  | Cafeteria With Kitchen                           |              |
| 2                  | Male Sleeping Quarter                            |              |
| 3                  | Female Sleeping Quarter                          |              |
| 4                  | Medical, Counseling & Interview Room             |              |
| 5                  | Office   |              |
| 6                  | Toilet & Shower ( Ladies & Gents) x 2            |              |
| 7                  | Cloth Washing & Drying Area (Ladies & Gents) x 2 |              |
| 8                  | Incinerator & Ash Pit                            |              |
| 9                  | Site Work  |              |
| <b>TOTAL</b>       |  |              |
|                    |  |              |
| <b>VAT 15%</b>     |  |              |
|                    |  |              |
| <b>GRAND TOTAL</b> |  |              |

**In Words /**

## MALE SLEEPING QUARTER

| Item No | Description                      | Total Amount |
|---------|----------------------------------|--------------|
|         | <b>A. Sub Structure</b>          |              |
|         |                                  |              |
| A.1     | <b>Excavation and Earth Work</b> |              |
| A.2     | <b>Concrete Work</b>             |              |
| A.3     | <b>Masonry Work</b>              |              |
|         |                                  |              |
|         | <b>Sub Total A</b>               |              |
|         |                                  |              |
|         | <b>B. Super Structure</b>        |              |
|         |                                  |              |
| B.1     | <b>Concrete Work</b>             |              |
| B.2     | <b>Block work</b>                |              |
| B.3     | <b>Roofing</b>                   |              |
| B.4     | <b>Carpentry and Joinery</b>     |              |
| B.5     | <b>Metal Work</b>                |              |
| B.6     | <b>Finishing</b>                 |              |
| B.7     | <b>Painting</b>                  |              |
| B.8     | <b>Electrical Installation</b>   |              |
|         |                                  |              |
|         | <b>Sub Total B</b>               |              |
|         |                                  |              |
|         | <b>Grand Total A + B</b>         |              |

| Item No                                  | Description   | Unit           | Qty     | Rate | Amount |
|--|---|----------------|---------|------|--------|
| <b>A. Sub Structure</b>                  |   |                |         |      |        |
| <b>1. Excavation and Earth Work</b>      |   |                |         |      |        |
| 1.1                                      | Site Clearing to a depth of 20cm to remove top organic soil.    | m <sup>2</sup> | 600.37  |      |        |
| 1.2                                      | Bulk excavation for a depth of 80 cm to reduced level           | m <sup>3</sup> | 262.49  |      |        |
| 1.3                                      | Trench excavation in ordinary soil up to a depth of 150 cm      | m <sup>3</sup> | 249.36  |      |        |
| 1.4                                      | Back Fill Under hard core with selected material                | m <sup>3</sup> | 232.22  |      |        |
| 1.5                                      | Back fill around stone masonry with selected material           | m <sup>3</sup> | 187.02  |      |        |
| 1.6                                      | Cart away Surplus Excavated Material 5km Away from the compound | m <sup>3</sup> | 631.93  |      |        |
| 1.7                                      | 25 cm thick Hard CoreHardcore                                   | m <sup>2</sup> | 464.44  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |         |      |        |
| <b>2.Concrete Work</b>                   |   |                |         |      |        |
| 2.1                                      | <b>C-5 lean concrete Under</b>                                  |                |         |      |        |
|  | a.Stone Masnory   | m <sup>2</sup> | 83.12   |      |        |
|  | b.Grade beam  | m <sup>2</sup> | 25.46   |      |        |
| 2.2                                      | <b>C-25 concrete In</b>   |                |         |      |        |
|  | a.Grade Beam  | m <sup>3</sup> | 13.30   |      |        |
|  | b.10cm thick Ground Floor slab                                  | m <sup>2</sup> | 394.77  |      |        |
| 2.3                                      | <b>Formwork</b>   |                |         |      |        |
|  | Grade Beam  | m <sup>2</sup> | 132.99  |      |        |
| 2.4                                      | <b>Reinforcement</b>  |                |         |      |        |
|  | a.Diameter 8 mm def. re Bars                                    | kg             | 1168.70 |      |        |
|  | b.Diameter 12 mm def. re Bars                                   | kg             | 551.45  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |         |      |        |
| <b>3.Masonry Work</b>                    |   |                |         |      |        |
| 3.1                                      | 50cm thick Stone Masonry below NGL                              | m <sup>3</sup> | 124.68  |      |        |
| 3.2                                      | 50cm thick Stone Masonry above NGL                              | m <sup>3</sup> | 45.59   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |         |      |        |
| <b>B. Super Structure</b>                |   |                |         |      |        |
| <b>1.Concrete Work</b>                   |   |                |         |      |        |
| 1.1                                      | <b>C-25 concrete</b>  |                |         |      |        |
|  | a.Elevation column  | m <sup>3</sup> | 3.58    |      |        |
|  | b.Beams and lintels   | m <sup>3</sup> | 9.97    |      |        |
| 1.2                                      | <b>Formwork</b>   |                |         |      |        |
|  | a.For elevation column  | m <sup>2</sup> | 71.68   |      |        |
|  | b.For Beams & Lintels   | m <sup>2</sup> | 113.04  |      |        |
| 1.3                                      | <b>Reinforcement</b>  |                |         |      |        |
|  | a.Diameter 8 mm def. Re Bars                                    | kg             | 290.67  |      |        |

| Item No | Description   | Unit           | Qty    | Rate | Amount |
|---------|---|----------------|--------|------|--------|
|         | b.Diameter 12 mm def. Re Bars   | kg             | 714.24 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>2.Block work</b>   |                |        |      |        |
| 2.1     | 20 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 340.16 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>3.Roofing</b>  |                |        |      |        |
| 3.1     | EGA 300 0.4mm ,Roof Measured in Horizontal Projection   | m <sup>2</sup> | 524.99 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>4.Carpentry and Joinery</b>  |                |        |      |        |
| 4.1     | <b>Truss Members</b>  |                |        |      |        |
| a       | Diam. 10-12 cm thick eucalyptus truss upper and lower chord   | ml             | 322.39 |      |        |
| b       | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member   | ml             | 105.65 |      |        |
| c       | Diam. 5x 7cm thick best quality sawn pine purlin  | ml             | 296.96 |      |        |
| 4.2     | 25cm wide Zigba Wood Facia Board Including one coat of Varnish & two coats of synthetic paint                                     | ml             | 62.18  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>5.Aluminum work</b>  |                |        |      |        |
| 5.1     | <b>Adonized Aluminium Door</b>  |                |        |      |        |
| a       | D 1 SIZE 200 * 250  | pc             | 4.00   |      |        |
| 5.2     | <b>Adonized Aluminium Window</b>  |                |        |      |        |
| a       | W 1 SIZE 120 * 180  | pc             | 45.00  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>6.Finishing Work</b>   |                |        |      |        |
| 6.1     | <b>Wall finishing</b>   |                |        |      |        |
| a       | Apply Two coats of external plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 0.00   |      |        |
| b       | Apply Two coats of internal plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 14.42  |      |        |
| c       | Apply Gypsum finish to internal vertical surface  | m <sup>2</sup> | 14.42  |      |        |
| e       | 32cm wide marble window sill  | ml             | 56.25  |      |        |
| 6.2     | <b>Floor finishing</b>  |                |        |      |        |
| a       | 6 mm thick porcelain tile flooring  | m <sup>2</sup> | 489.00 |      |        |
| b       | 7 mm thick porcelain tile Skirting  | ml             | 243.10 |      |        |
| d       | 100cm Wide Mass Concrete Pavement Around the Building Including All Excavations,Leveling & 25cm Hardcore below the Mass Concrete. | m <sup>2</sup> | 111.50 |      |        |
| 6.3     | <b>Ceiling Finishing</b>  |                |        |      |        |

| Item No  | Description   | Unit           | Qty    | Rate | Amount |
|--|---|----------------|--------|------|--------|
| a  | Suspended 8mm thick chipwood Ceiling for all Rooms Including 4*5 Zigba Battens  | m <sup>2</sup> | 381.60 |      |        |
| b  | Suspended PVC Ceiling for Varandah Including 4*5 Zigba Battens  | m <sup>2</sup> | 107.40 |      |        |
| <b>Total Carried to Summary Eth.Birr</b>   |   |                |        |      |        |
| <b>7.Painting</b>  |   |                |        |      |        |
| 7.1  | Apply three coats of Plastic paint to Internal wall surface   | m <sup>2</sup> | 14.42  |      |        |
| 7.2  | Apply three coats of Plastic paint to Chipwood Ceiling  | m <sup>2</sup> | 381.60 |      |        |
| 7.3  | Quartz Paint to External wall surface   | m <sup>2</sup> | 0.00   |      |        |
| <b>Total Carried to Summary Eth.Birr</b>   |   |                |        |      |        |
| <b>8.Electrical installation</b>   |   |                |        |      |        |
| <b>8.1 Distribution Board</b>  |   |                |        |      |        |
| a  | Flush mounted Sub distribution board SDB with lockable door, earthing lead cable terminal,connectors and all the necessary accessories consisting of:-  |                |        |      |        |
|  | 1 pc 3 x 40A, MCCB, 3Phase  |                |        |      |        |
|  | 1 pc 1 x 20A, MCCB, 1Phase  |                |        |      |        |
|  | 6 pc 1 x 16A, MCCB, 1Phase  |                |        |      |        |
|  | 10 pc 1 x 10A, MCCB, 1Phase   | N <sup>o</sup> | 1.00   |      |        |
| <b>8.2 Light points</b>  |   |                |        |      |        |
|  | conductors of 3x2.5 mm <sup>2</sup> inside PVC conduits of 16mm diameter,including junction boxes with covers insulating screw cap connectors.  | N <sup>o</sup> | 40.00  |      |        |
| <b>8.3 (Type Legrand or Equivalent) Extra Over Light Points for Flush Mounted Switch</b> |   |                |        |      |        |
| a  | Flush mounting single switch  | No             | 6.00   |      |        |
| b  | Flush mounting double switch  | No             | 2.00   |      |        |
| c  | Flush mounting Intermediate switch  | No             | 6.00   |      |        |
| d  | Flush mounting two -way switch  | No             | 2.00   |      |        |
| <b>8.4 Flush Mounted Socket Outlet Points</b>  |   |                |        |      |        |
|  | 10-16A/1P socket outlet points fed through PVC insulated conductors of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors. | No             | 31.00  |      |        |
| <b>8.5 (Type Legrand or Equivalent) Flush Mounted Socket Outlets with Earth Contact</b>  |   |                |        |      |        |
| a  | Flush mounting twin socket outlet of 10-16A/1P,   | No             | 31.00  |      |        |
| <b>8.6 Light Fittings and Lamps</b>  |   |                |        |      |        |
|  | Connected and tested including lamps and accessories complete, all as specified or described.   |                |        |      |        |

| Item No                                  | Description  | Unit | Qty   | Rate | Amount |
|--|--|------|-------|------|--------|
| a  | PELSAN 5012.908 With 1 x 'TLD' 36W/840 Fluorescent Lamp  | No   | 40.00 |      |        |
| <b>8.7</b>                               | <b>CONDUITS AND PIPES</b>  |      |       |      |        |
| a  | PVC of 110mm diameter.   | ml   | 12.00 |      |        |
| b  | PVC of 50mm diameter.  | ml   | 30.00 |      |        |
| <b>8.8</b>                               | <b>MANHOLE</b>   |      |       |      |        |
| a  | Manhole in brick or masonry ,Size 800 * 800 * 700mm  | No.  | 1.00  |      |        |
| <b>8.9</b>                               | <b>FEEDER CABLES</b>   |      |       |      |        |
|  | PVC sheathed PVC insulated power cable type NYY 0.6/1KV or equivalent to be drawn inside cement or PVC conduit (measured elsewhere)  |      |       |      |        |
|  | (a) 3 * 25 mm <sup>2</sup>   | ml   | 18.00 |      |        |
|  | (b) 2 * 10 mm <sup>2</sup>   | ml   | 25.00 |      |        |
| <b>8.10</b>                              | <b>Earthing</b>  |      |       |      |        |
| a  | Earthing system: materials, supplied, installed, connected and tested, complete, including conductors, busbar, straps, test points, connectors, and all necessary accessories, complete all as specified and / or shown on drawings. | Ls   | 1.00  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |      |       |      |        |

## FEMALE SLEEPING QUARTER

| Item No | Description                      | Total Amount |
|---------|----------------------------------|--------------|
|         | <b>A. Sub Structure</b>          |              |
|         |                                  |              |
| A.1     | <b>Excavation and Earth Work</b> |              |
| A.2     | <b>Concrete Work</b>             |              |
| A.3     | <b>Masonry Work</b>              |              |
|         |                                  |              |
|         | <b>Sub Total A</b>               |              |
|         |                                  |              |
|         | <b>B.Super Structure</b>         |              |
|         |                                  |              |
| B.1     | <b>Concrete Work</b>             |              |
| B.2     | <b>Block work</b>                |              |
| B.3     | <b>Roofing</b>                   |              |
| B.4     | <b>Carpentry and Joinery</b>     |              |
| B.5     | <b>Metal Work</b>                |              |
| B.6     | <b>Finishing</b>                 |              |
| B.7     | <b>Painting</b>                  |              |
| B.8     | <b>Electrical Installation</b>   |              |
|         |                                  |              |
|         | <b>Sub Total B</b>               |              |
|         |                                  |              |
|         | <b>Grand Total A + B</b>         |              |



| Item No                                  | Description  | Unit           | Qty     | Rate | Amount |
|--|--|----------------|---------|------|--------|
| <b>A. Sub Structure</b>                  |  |                |         |      |        |
| <b>1. Excavation and Earth Work</b>      |  |                |         |      |        |
| 1.1                                      | Site Clearing to a depth of 20cm to remove top organic soil.   | m <sup>2</sup> | 411.12  |      |        |
| 1.2                                      | Bulk excavation for a depth of 80 cm to reduced level          | m <sup>3</sup> | 147.41  |      |        |
| 1.3                                      | Trench excavation in ordinary soil up to a depth of 150 cm     | m <sup>3</sup> | 223.88  |      |        |
| 1.4                                      | Back Fill Under hard core with selected material               | m <sup>3</sup> | 107.73  |      |        |
| 1.5                                      | Back fill around stone masonry with selected material          | m <sup>3</sup> | 111.94  |      |        |
| 1.6                                      | Cart away Surplus Excavated Material 5km Away from the compund | m <sup>3</sup> | 453.51  |      |        |
| 1.7                                      | 25 cm thick Hard CoreHardcore                                  | m <sup>2</sup> | 269.33  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |         |      |        |
| <b>2.Concrete Work</b>                   |  |                |         |      |        |
| 2.1                                      | <b>C-5 lean concrete Under</b>                                 |                |         |      |        |
|  | a.Stone Masnory  | m <sup>2</sup> | 74.63   |      |        |
|  | b.Grade beam   | m <sup>2</sup> | 29.85   |      |        |
| 2.2                                      | <b>C-25 concrete In</b>  |                |         |      |        |
|  | a.Grade Beam   | m <sup>3</sup> | 11.94   |      |        |
|  | b.10cm thick Ground Floor slab                                 | m <sup>2</sup> | 269.33  |      |        |
| 2.3                                      | <b>Formwork</b>  |                |         |      |        |
|  | Grade Beam   | m <sup>2</sup> | 119.40  |      |        |
| 2.4                                      | <b>Reinforcement</b>   |                |         |      |        |
|  | a.Diameter 8 mm def. re Bars                                   | kg             | 1117.89 |      |        |
|  | b.Diameter 12 mm def. re Bars                                  | kg             | 527.47  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |         |      |        |
| <b>3.Masonry Work</b>                    |  |                |         |      |        |
| 3.1                                      | 50cm thick Stone Masonry below NGL                             | m <sup>3</sup> | 111.94  |      |        |
| 3.2                                      | 50cm thick Stone Masonry above NGL                             | m <sup>3</sup> | 37.31   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |         |      |        |
| <b>B. Super Structure</b>                |  |                |         |      |        |
| <b>1.Concrete Work</b>                   |  |                |         |      |        |
| 1.1                                      | <b>C-25 concrete</b>   |                |         |      |        |
|  | a.Elevation column   | m <sup>3</sup> | 2.30    |      |        |
|  | b.Beams and lintels  | m <sup>3</sup> | 8.96    |      |        |
| 1.2                                      | <b>Formwork</b>  |                |         |      |        |
|  | a.For elevation column   | m <sup>2</sup> | 46.08   |      |        |
|  | b.For Beams & Lintels  | m <sup>2</sup> | 119.40  |      |        |
| 1.3                                      | <b>Reinforcement</b>   |                |         |      |        |
|  | a.Diameter 8 mm def. Re Bars                                   | kg             | 288.41  |      |        |

| Item No | Description   | Unit           | Qty    | Rate | Amount |
|---------|---|----------------|--------|------|--------|
|         | b.Diameter 12 mm def. Re Bars   | kg             | 708.27 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>2.Block work</b>   |                |        |      |        |
| 2.1     | 20 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 198.25 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>3.Roofing</b>  |                |        |      |        |
| 3.1     | EGA 300 0.4mm ,Roof Measured in Horizontal Projection   | m <sup>2</sup> | 344.28 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>4.Carpentry and Joinery</b>  |                |        |      |        |
| 4.1     | <b>Truss Members</b>  |                |        |      |        |
| a       | Diam. 10-12 cm thick eucalyptus truss upper and lower chord   | ml             | 291.82 |      |        |
| b       | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member   | ml             | 95.63  |      |        |
| c       | Diam. 5x 7cm thick best quality sawn pine purlin  | ml             | 268.80 |      |        |
| 4.2     | 25cm wide Zigba Wood Facia Board Including one coat of Varnish & two coats of synthetic paint                                     | ml             | 84.82  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>5.Aluminum work</b>  |                |        |      |        |
| 5.1     | <b>Adonized Aluminium Door</b>  |                |        |      |        |
| a       | D 1 SIZE 190 * 250  | pc             | 2.00   |      |        |
| 5.2     | <b>Adonized Aluminium Window</b>  |                |        |      |        |
| a       | W 1 SIZE 120 * 180  | pc             | 22.00  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>6.Finishing Work</b>   |                |        |      |        |
| 6.1     | <b>Wall finishing</b>   |                |        |      |        |
| a       | Apply Two coats of external plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 174.57 |      |        |
| b       | Apply Two coats of internal plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 189.37 |      |        |
| c       | Apply Gypsum finish to internal vertical surface  | m <sup>2</sup> | 189.37 |      |        |
| e       | 32cm wide marble window sill  | ml             | 27.50  |      |        |
| 6.2     | <b>Floor finishing</b>  |                |        |      |        |
| a       | 6 mm thick porcelain tile flooring  | m <sup>2</sup> | 256.00 |      |        |
| b       | 7 mm thick porcelain tile Skirting  | ml             | 118.41 |      |        |
| d       | 100cm Wide Mass Concrete Pavement Around the Building Including All Excavations,Leveling & 25cm Hardcore below the Mass Concrete. | m <sup>2</sup> | 42.01  |      |        |

| Item No    | Description   | Unit           | Qty    | Rate | Amount |
|------------|---|----------------|--------|------|--------|
| <b>6.3</b> | <b>Ceiling Finishing</b>  |                |        |      |        |
| <b>a</b>   | Suspended 8mm thick chipwood Ceiling for all Rooms Including 4*5 Zigba Battens  | m <sup>2</sup> | 213.62 |      |        |
| <b>b</b>   | Suspended PVC Ceiling for Varandah Including 4*5 Zigba Battens  | m <sup>2</sup> | 42.38  |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|            | <b>7.Painting</b>   |                |        |      |        |
| <b>7.1</b> | Apply three coats of Plastic paint to Internal wall surface   | m <sup>2</sup> | 189.37 |      |        |
| <b>7.2</b> | Apply three coats of Plastic paint to Chipwood Ceiling  | m <sup>2</sup> | 213.62 |      |        |
| <b>7.3</b> | Quartz Paint to External wall surface   | m <sup>2</sup> | 174.57 |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|            | <b>8.Electrical installation</b>  |                |        |      |        |
| <b>8.1</b> | <b>Distribution Board</b>   |                |        |      |        |
| <b>a</b>   | Flush mounted Sub distribution board SDB with lockable door, earthing lead cable terminal,connectors and all the necessary accessories consisting of:-  |                |        |      |        |
|            | 1 pc 3 x 40A, MCCB, 3Phase  |                |        |      |        |
|            | 1 pc 1 x 20A, MCCB, 1Phase  |                |        |      |        |
|            | 4 pc 1 x 16A, MCCB, 1Phase  |                |        |      |        |
|            | 3 pc 1 x 10A, MCCB, 1Phase  | N <sup>o</sup> | 1.00   |      |        |
| <b>8.2</b> | <b>Light points</b>   |                |        |      |        |
|            | conductors of 3x2.5 mm <sup>2</sup> inside PVC conduits of 16mm diameter,including junction boxes with covers insulating screw cap connectors.  | N <sup>o</sup> | 23.00  |      |        |
| <b>8.3</b> | <b>Extra Over Light Points for Flush Mounted Switch (Type Legrand or Equivalent)</b>  |                |        |      |        |
| <b>a</b>   | Flush mounting single switch  | No             | 4.00   |      |        |
| <b>b</b>   | Flush mounting double switch  | No             | 3.00   |      |        |
| <b>c</b>   | Flush mounting Intermediate switch  | No             | 2.00   |      |        |
| <b>8.4</b> | <b>Flush Mounted Socket Outlet Points</b>   |                |        |      |        |
|            | 10-16A/1P socket outlet points fed through PVC insulated conductors of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors. | No             | 18.00  |      |        |
| <b>8.5</b> | <b>Flush Mounted Socket Outlets with Earth Contact (Type Legrand or Equivalent)</b>   |                |        |      |        |
| <b>a</b>   | Flush mounting twin socket outlet of 10-16A/1P,   | No             | 18.00  |      |        |
| <b>8.6</b> | <b>Light Fittings and Lamps</b>   |                |        |      |        |
|            | Connected and tested including lamps and accessories complete, all as specified or described.   |                |        |      |        |

| Item No                                  | Description  | Unit | Qty   | Rate | Amount |
|--|--|------|-------|------|--------|
| a  | PELSAN 5012.908 With 1 x 'TLD' 36W/840 Fluorescent Lamp  | No   | 23.00 |      |        |
| <b>8.7</b>                               | <b>CONDUITS AND PIPES</b>  |      |       |      |        |
| a  | PVC of 110mm diameter.   | ml   | 6.00  |      |        |
| b  | PVC of 50mm diameter.  | ml   | 6.00  |      |        |
| <b>8.8</b>                               | <b>MANHOLE</b>   |      |       |      |        |
| a  | Manhole in brick or masonry ,Size 800 * 800 * 700mm  | No.  | 1.00  |      |        |
| <b>8.9</b>                               | <b>FEEDER CABLES</b>   |      |       |      |        |
|  | PVC sheathed PVC insulated power cable type NYY 0.6/1KV or equivalent to be drawn inside cement or PVC conduit (measured elsewhere)  |      |       |      |        |
|  | (a) 5 * 10 mm <sup>2</sup>   | ml   | 8.00  |      |        |
|  | (b) 3 * 6 mm <sup>2</sup>  | ml   | 25.00 |      |        |
| <b>8.10</b>                              | <b>Earthing</b>  |      |       |      |        |
| a  | Earthing system: materials, supplied, installed, connected and tested, complete, including conductors, busbar, straps, test points, connectors, and all necessary accessories, complete all as specified and / or shown on drawings. | Ls   | 1.00  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |      |       |      |        |

## OFFICE

| Item No | Description               | Total Amount |
|---------|---------------------------|--------------|
|         | <b>A. Sub Structure</b>   |              |
| A.1     | Excavation and Earth Work | -            |
| A.2     | Concrete Work             | -            |
| A.3     | Masonry Work              | -            |
|         | <b>Sub Total A</b>        | -            |
|         | <b>B. Super Structure</b> |              |
| B.1     | Concrete Work             | -            |
| B.2     | Block work                | -            |
| B.3     | Roofing                   | -            |
| B.4     | Carpentry and Joinery     | -            |
| B.5     | Metal Work                | -            |
| B.6     | Finishing                 | -            |
| B.7     | Painting                  | -            |
| B.8     | Sanitary Installation     | -            |
| B.9     | Electrical Installation   | -            |
|         | <b>Sub Total B</b>        | -            |
|         | <b>Grand Total A + B</b>  | -            |

| Item No                                  | Description  | Unit           | Qty    | Rate | Amount |
|--|--|----------------|--------|------|--------|
| <b>A. Sub Structure</b>                  |  |                |        |      |        |
| <b>1. Excavation and Earth Work</b>      |  |                |        |      |        |
| 1.1                                      | soil. Site Clearing to a depth of 20cm to remove top organic   | m <sup>2</sup> | 107.80 |      |        |
| 1.2                                      | Bulk excavation for a depth of 80 cm to reduced level          | m <sup>3</sup> | 41.04  |      |        |
| 1.3                                      | Trench excavation in ordinary soil up to a depth of 150 cm     | m <sup>3</sup> | 61.65  |      |        |
| 1.4                                      | Back Fill Under hard core with selected material               | m <sup>3</sup> | 36.44  |      |        |
| 1.5                                      | Back fill around stone masonry with selected material          | m <sup>3</sup> | 13.87  |      |        |
| 1.6                                      | Cart away Surplus Excavated Material 5km Away from the compund | m <sup>3</sup> | 124.25 |      |        |
| 1.7                                      | 25 cm thick Hard CoreHardcore                                  | m <sup>2</sup> | 64.20  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |
| <b>2. Concrete Work</b>                  |  |                |        |      |        |
| 2.1                                      | <b>C-5 lean concrete Under</b>                                 |                |        |      |        |
|  | a.Stone Masnory  | m <sup>2</sup> | 20.55  |      |        |
|  | b.Grade beam   | m <sup>2</sup> | 8.22   |      |        |
| 2.2                                      | <b>C-25 concrete In</b>  |                |        |      |        |
|  | a.Grade Beam   | m <sup>3</sup> | 3.29   |      |        |
|  | b. 10cm thick Ground Floor slab                                | m <sup>3</sup> | 64.20  |      |        |
| 2.3                                      | <b>Formwork</b>  |                |        |      |        |
|  | Grade Beam   | m <sup>2</sup> | 32.88  |      |        |
| 2.4                                      | <b>Reinforcement</b>   |                |        |      |        |
|  | a.Diameter 8 mm def. re Bars                                   | kg             | 509.74 |      |        |
|  | b.Diameter 12 mm def. re Bars                                  | kg             | 161.62 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |
| <b>3. Masonry Work</b>                   |  |                |        |      |        |
| 3.1                                      | 50cm thick Stone Masonry below NGL                             | m <sup>3</sup> | 30.83  |      |        |
| 3.2                                      | 50cm thick Stone Masonry above NGL                             | m <sup>3</sup> | 12.33  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |
| <b>B. Super Structure</b>                |  |                |        |      |        |
| <b>1. Concrete Work</b>                  |  |                |        |      |        |
| 1.1                                      | <b>C-25 concrete</b>   |                |        |      |        |
|  | a.Elevation column   | m <sup>3</sup> | 0.77   |      |        |
|  | b.Beams and lintels  | m <sup>3</sup> | 2.47   |      |        |
| 1.2                                      | <b>Formwork</b>  |                |        |      |        |
|  | a.For elevation column   | m <sup>2</sup> | 15.36  |      |        |
|  | b.For Beams & Lintels  | m <sup>2</sup> | 32.88  |      |        |
| 1.3                                      | <b>Reinforcement</b>   |                |        |      |        |
|  | a.Diameter 8 mm def. Re Bars                                   | kg             | 112.81 |      |        |
|  | b.Diameter 12 mm def. Re Bars                                  | kg             | 236.21 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |

| Item No                                  | Description   | Unit           | Qty    | Rate | Amount |
|--|---|----------------|--------|------|--------|
| <b>2.Block work</b>                      |   |                |        |      |        |
| 2.1                                      | 20 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 111.02 |      |        |
| 2.2                                      | 15 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 27.30  |      |        |
| 2.3                                      | 10 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 16.95  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>3.Roofing</b>                         |   |                |        |      |        |
| 3.1                                      | EGA 300 0.4mm ,Roof Measured in Horizontal Projection   | m <sup>2</sup> | 91.08  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>4.Carpentry and Joinery</b>           |   |                |        |      |        |
| <b>4.1 Truss Members</b>                 |   |                |        |      |        |
| a  | Diam. 10-12 cm thick eucalyptus truss upper and lower chord   | ml             | 142.80 |      |        |
| b  | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member   | ml             | 63.10  |      |        |
| c  | Diam. 5x 7cm thick best quality sawn pine purlin  | ml             | 158.40 |      |        |
| 4.2                                      | 25cm wide Zigba Wood Facia Board Including one coat of Varnish & two coats of synthetic paint                                     | ml             | 40.60  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>5.Aluminum work</b>                   |   |                |        |      |        |
| <b>5.1 Adonized Aluminium Door</b>       |   |                |        |      |        |
| a  | D 1 SIZE 100 * 250  | pc             | 1.00   |      |        |
| b  | D 2 SIZE 90 * 250   | pc             | 2.00   |      |        |
| c  | D 3 SIZE 70 * 250   | pc             | 2.00   |      |        |
| <b>5.2 Adonized Aluminium Window</b>     |   |                |        |      |        |
| a  | W 1 SIZE 200 * 180  | pc             | 2.00   |      |        |
| b  | W 1 SIZE 58 * 130   | pc             | 2.00   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>6.Finishing Work</b>                  |   |                |        |      |        |
| <b>6.1 Wall finishing</b>                |   |                |        |      |        |
| a  | Apply Two coats of external plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 121.26 |      |        |
| b  | Apply Two coats of internal plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 222.72 |      |        |
| c  | Apply Gypsum finish to internal vertical surface  | m <sup>2</sup> | 214.68 |      |        |
| d  | 6mm thick Ceramic Wall Tile   | m <sup>2</sup> | 8.04   |      |        |
| e  | 32cm wide marble window sill  | ml             | 5.40   |      |        |
| <b>6.2 Floor finishing</b>               |   |                |        |      |        |
| a  | 6 mm thick porcelain tile flooring  | m <sup>2</sup> | 57.66  |      |        |
| b  | 7 mm thick porcelain tile Skirting  | ml             | 20.81  |      |        |
| c  | 100cm Wide Mass Concrete Pavement Around the Building Including All Excavations,Leveling & 25cm Hardcore below the Mass Concrete. | m <sup>2</sup> | 39.40  |      |        |
| <b>6.3 Ceiling Finishing</b>             |   |                |        |      |        |
| a  | Suspended 8mm thick chipwood Ceiling for all Rooms Including 4*5 Zigba Battens  | m <sup>2</sup> | 43.26  |      |        |
| b  | Suspended PVC Ceiling for Varandah Including 4*5 Zigba Battens  | m <sup>2</sup> | 14.40  |      |        |

| Item No | Description  | Unit           | Qty    | Rate | Amount |
|---------|--|----------------|--------|------|--------|
|         | <b>Total Carried to Summary Eth.Birr</b>   |                |        |      |        |
|         | <b>7.Painting</b>  |                |        |      |        |
| 7.1     | Apply three coats of Plastic paint to Internal wall surface  | m <sup>2</sup> | 222.72 |      |        |
| 7.2     | Apply three coats of Plastic paint to Chipwood Ceiling   | m <sup>2</sup> | 43.26  |      |        |
| 7.3     | Quartz Paint to External wall surface  | m <sup>2</sup> | 121.26 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>   |                |        |      |        |
|         | <b>8.Sanitary Works</b>  |                |        |      |        |
|         | <b>8.1 Water Supply Pipes</b>  |                |        |      |        |
|         | Supply, lay and connect RAK Brand Polypropylene pipe (PPR) pressure pipes with metallic insert   |                |        |      |        |
| a       |  |                |        |      |        |
| b       | Outer diameter 20mm  | ml             | 18.00  |      |        |
| c       | Outer diameter 25mm  | ml             | 20.00  |      |        |
|         | <b>8.2 Angle Valve (RAK)</b>   |                |        |      |        |
| a       | Supply and fix chrome plated service (angle) valves  | Nº             | 10.00  |      |        |
|         | <b>8.3 Gate Valve</b>  |                |        |      |        |
|         | Supply and fix gate valve made of bronze,complete with all accessories   |                |        |      |        |
| a       |  |                |        |      |        |
| a.1.    | Internal dia.20mm (25mm)   | pcs            | 2.00   |      |        |
| a.2     | Internal dia.16mm (20mm)   | pcs            | 10.00  |      |        |
|         | <b>8.4 Waste Drainage System</b>   |                |        |      |        |
|         | Supply lay and connect PVC pipes for foul drainage. The quality of material should satisfy the requirements of British Standard  |                |        |      |        |
| a       |  |                |        |      |        |
| a.1     | Internal dia. 50 mm  | ml             | 22.00  |      |        |
| a.2     | Internal dia. 110 mm   | ml             | 23.00  |      |        |
|         | <b>8.5 Sanitary Appliances</b>   |                |        |      |        |
|         | <b>Hand Wash Basin</b>   |                |        |      |        |
|         | Supply and fix Hand Wash Basin , made from white vitreous China ,with pedestal, Size:- 500 x 400 mm. Gold Dragon or Equivalent   | Nº             | 2.00   |      |        |
| a       |  |                |        |      |        |
|         | <b>W.C</b>   |                |        |      |        |
| b       | Supply and fix W.C made from Vitroues China Clay   | No             | 2.00   |      |        |
|         | <b>Crystal Glass Mirror</b>  |                |        |      |        |
|         | Supply and fix approved quality frame less crystal glass mirror, back-silvered, minimum 6mm thick. Complete with theft resistant concealed wall fastening fittings and other accessories. Size :-500x400mm | Nº             | 2.00   |      |        |
| d       |  |                |        |      |        |
|         | <b>Soap Holder</b>   |                |        |      |        |
|         | Supply and fix soap holder made of white vitreous china,complete with all accessories.   | Nº             | 4.00   |      |        |
| e       |  |                |        |      |        |
|         | <b>Towel Hanger</b>  |                |        |      |        |
|         | Supply and fix towel hanger made of chrome plated steel with best quality complete with all accessories.   | Nº             | 2.00   |      |        |
| f       |  |                |        |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>   |                |        |      |        |
|         | <b>9.Electrical installation</b>   |                |        |      |        |
|         | <b>9.1 Distribution Board</b>  |                |        |      |        |



| Item No     | Description  | Unit | Qty   | Rate | Amount |
|-------------|--|------|-------|------|--------|
| a           | Flush mounted Sub distribution board SDB with lockable door, earthing lead cable terminal, connectors and all the necessary accessories consisting of:-  |      |       |      |        |
|             | 1 pc 1 x 32A, MCCB, 1Phase   |      |       |      |        |
|             | 2 pc 1 x 16A, MCCB, 1Phase   |      |       |      |        |
|             | 1 pc 1 x 10A, MCCB, 1Phase   | Nº   | 1.00  |      |        |
| <b>9.2</b>  | <b>Light points</b>  |      |       |      |        |
|             | Flush mounted light points fed through PVC insulated conductors of 3x2.5 mm <sup>2</sup> inside PVC conduits of 16mm diameter, including junction boxes with covers insulating screw cap connectors.                                 | Nº   | 14.00 |      |        |
| <b>9.3</b>  | <b>Extra Over Light Points for Flush Mounted Switch (Type Legrand or Equivalent)</b>   |      |       |      |        |
| a           | Flush mounting single switch   | No   | 3.00  |      |        |
| b           | Flush mounting double switch   | No   | 3.00  |      |        |
| <b>9.4</b>  | <b>Flush Mounted Socket Outlet Points</b>  |      |       |      |        |
|             | 10-16A/1P socket outlet points fed through PVC insulated conductors of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors.                            | No   | 8.00  |      |        |
| <b>9.5</b>  | <b>Flush Mounted Socket Outlets with Earth Contact (Type Legrand or Equivalent)</b>  |      |       |      |        |
| a           | Flush mounting twin socket outlet of 10-16A/1P,  | No   | 8.00  |      |        |
| <b>9.6</b>  | <b>Light Fittings and Lamps</b>  |      |       |      |        |
|             | Connected and tested including lamps and accessories complete, all as specified or described.  |      |       |      |        |
| a           | PELSAN 5012.908 With 1 x 'TLD' 36W/840 Fluorescent Lamp  | No   | 10.00 |      |        |
| b           | RZB 20146.922 WITH 1xTC-D 13W LAMP.  | No   | 4.00  |      |        |
| <b>9.7</b>  | <b>CONDUITS AND PIPES</b>  |      |       |      |        |
| a           | PVC of 110mm diameter.   | ml   | 6.00  |      |        |
| b           | PVC of 50mm diameter.  | ml   | 12.00 |      |        |
| <b>9.8</b>  | <b>MANHOLE</b>   |      |       |      |        |
| a           | Manhole in brick or masonry ,Size 800 * 800 * 700mm  | No.  | 1.00  |      |        |
| <b>9.9</b>  | <b>FEEDER CABLES</b>   |      |       |      |        |
|             | PVC sheathed PVC insulated power cable type NYY 0.6/1KV or equivalent to be drawn inside cement or PVC conduit (measured elsewhere)  |      |       |      |        |
|             | (a) 1 * 10 mm <sup>2</sup>   | ml   | 12.00 |      |        |
| <b>9.10</b> | <b>Earthing</b>  |      |       |      |        |
| a           | Earthing system: materials, supplied, installed, connected and tested, complete, including conductors, busbar, straps, test points, connectors, and all necessary accessories, complete all as specified and / or shown on drawings. | Ls   | 1.00  |      |        |
|             | <b>Total Carried to Summary Eth.Birr</b>   |      |       |      |        |

## Cafeteria

| Item No | Description                      | Total Amount |
|---------|----------------------------------|--------------|
|         | <b>A. Sub Structure</b>          |              |
|         |                                  |              |
| A.1     | <b>Excavation and Earth Work</b> |              |
| A.2     | <b>Concrete Work</b>             |              |
| A.3     | <b>Masonry Work</b>              |              |
|         |                                  |              |
|         | <b>Sub Total A</b>               |              |
|         |                                  |              |
|         | <b>B.Super Structure</b>         |              |
|         |                                  |              |
| B.1     | <b>Concrete Work</b>             |              |
| B.2     | <b>Block work</b>                |              |
| B.3     | <b>Roofing</b>                   |              |
| B.4     | <b>Carpentry and Joinery</b>     |              |
| B.5     | <b>Metal Work</b>                |              |
| B.6     | <b>Finishing</b>                 |              |
| B.7     | <b>Painting</b>                  |              |
| B.8     | <b>Sanitary Installation</b>     |              |
| B.9     | <b>Electrical Installation</b>   |              |
|         |                                  |              |
|         | <b>Sub Total B</b>               |              |
|         |                                  |              |
|         | <b>Grand Total A + B</b>         |              |

| Item No                                  | Description   | Unit           | Qty    | Rate | Amount |
|--|---|----------------|--------|------|--------|
| <b>A. Sub Structure</b>                  |   |                |        |      |        |
| <b>1. Excavation and Earth Work</b>      |   |                |        |      |        |
| 1.1                                      | Site Clearing to a depth of 20cm to remove top organic soil.    | m <sup>2</sup> | 344.57 |      |        |
| 1.2                                      | Bulk excavation for a depth of 80 cm to reduced level           | m <sup>3</sup> | 147.94 |      |        |
| 1.3                                      | Trench excavation in ordinary soil up to a depth of 150 cm      | m <sup>3</sup> | 131.76 |      |        |
| 1.4                                      | Back Fill Under hard core with selected material                | m <sup>3</sup> | 77.06  |      |        |
| 1.5                                      | Back fill around stone masonry with selected material           | m <sup>3</sup> | 65.88  |      |        |
| 1.6                                      | Cart away Surplus Excavated Material 5km Away from the compound | m <sup>3</sup> | 348.61 |      |        |
| 1.7                                      | 25 cm thick Hard CoreHardcore                                   | m <sup>2</sup> | 154.12 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>2. Concrete Work</b>                  |   |                |        |      |        |
| 2.1                                      | <b>C-5 lean concrete Under</b>                                  |                |        |      |        |
|  | a.Stone Masnory   | m <sup>2</sup> | 43.92  |      |        |
|  | b.Grade beam  | m <sup>2</sup> | 17.57  |      |        |
| 2.2                                      | <b>C-25 concrete In</b>   |                |        |      |        |
|  | a.Grade Beam  | m <sup>3</sup> | 7.03   |      |        |
|  | b. 10cm thick Ground Floor slab                                 | m <sup>2</sup> | 154.12 |      |        |
| 2.3                                      | <b>Formwork</b>   |                |        |      |        |
|  | Grade Beam  | m <sup>2</sup> | 70.27  |      |        |
| 2.4                                      | <b>Reinforcement</b>  |                |        |      |        |
|  | a.Diameter 8 mm def. re Bars                                    | kg             | 985.00 |      |        |
|  | b.Diameter 12 mm def. re Bars                                   | kg             | 512.00 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>3. Masonry Work</b>                   |   |                |        |      |        |
| 3.1                                      | 50cm thick Stone Masonry below NGL                              | m <sup>3</sup> | 65.88  |      |        |
| 3.2                                      | 50cm thick Stone Masonry above NGL                              | m <sup>3</sup> | 21.96  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>B. Super Structure</b>                |   |                |        |      |        |
| <b>1. Concrete Work</b>                  |   |                |        |      |        |
| 1.1                                      | <b>C-25 concrete</b>  |                |        |      |        |
|  | a.Elevation column  | m <sup>3</sup> | 1.66   |      |        |
|  | b.Beams and lintels   | m <sup>3</sup> | 5.27   |      |        |
| 1.2                                      | <b>Formwork</b>   |                |        |      |        |
|  | a.For elevation column  | m <sup>2</sup> | 33.28  |      |        |
|  | b.For Beams & Lintels   | m <sup>2</sup> | 52.70  |      |        |
| 1.3                                      | <b>Reinforcement</b>  |                |        |      |        |
|  | a.Diameter 8 mm def. Re Bars                                    | kg             | 136.25 |      |        |

| Item No | Description   | Unit           | Qty    | Rate | Amount |
|---------|---|----------------|--------|------|--------|
|         | b.Diameter 12 mm def. Re Bars   | kg             | 523.00 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>2.Block work</b>   |                |        |      |        |
| 2.1     | 20 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 238.85 |      |        |
| 2.2     | 15 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 15.97  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>3.Roofing</b>  |                |        |      |        |
| 3.1     | EGA 300 0.4mm ,Roof Measured in Horizontal Projection   | m <sup>2</sup> | 255.76 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>4.Carpentry and Joinery</b>  |                |        |      |        |
| 4.1     | <b>Truss Members</b>  |                |        |      |        |
| a       | Diam. 10-12 cm thick eucalyptus truss upper and lower chord                                   | ml             | 319.61 |      |        |
| b       | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member                             | ml             | 104.74 |      |        |
| c       | Diam. 5x 7cm thick best quality sawn pine purlin  | ml             | 294.40 |      |        |
| 4.2     | 25cm wide Zigba Wood Facia Board Including one coat of Varnish & two coats of synthetic paint | ml             | 71.54  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>5.Aluminum work</b>  |                |        |      |        |
| 5.1     | <b>Adonized Aluminium Door</b>  |                |        |      |        |
| a       | D 1 SIZE 180 * 250  | pc             | 3.00   |      |        |
| b       | D 2 SIZE 100 * 250  | pc             | 2.00   |      |        |
| c       | D 3 SIZE 80 * 250   | pc             | 2.00   |      |        |
| 5.2     | <b>Adonized Aluminium Window</b>  |                |        |      |        |
| a       | W 1 SIZE 120 * 120  | pc             | 3.00   |      |        |
| b       | W 2 SIZE 170 * 180  | pc             | 2.00   |      |        |
| c       | W 3 SIZE 280 * 180  | pc             | 2.00   |      |        |
| d       | W 4 SIZE 240 * 180  | pc             | 2.00   |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>6.Finishing Work</b>   |                |        |      |        |
| 6.1     | <b>Wall finishing</b>   |                |        |      |        |
| a       | Apply Two coats of external plastering with cement mortar 1:3 ratio                           | m <sup>2</sup> | 0.00   |      |        |
| b       | Apply Two coats of internal plastering with cement mortar 1:3 ratio                           | m <sup>2</sup> | 31.94  |      |        |
| c       | Apply Gypsum finish to internal vertical surface  | m <sup>2</sup> | 31.94  |      |        |
| d       | 6mm thick Ceramic Wall Tile   | m <sup>2</sup> | 57.65  |      |        |

| Item No    | Description   | Unit           | Qty    | Rate | Amount |
|------------|---|----------------|--------|------|--------|
| e          | 32cm wide marble window sill  | ml             | 17.85  |      |        |
| <b>6.2</b> | <b>Floor finishing</b>  |                |        |      |        |
| a          | 6 mm thick porcelain tile flooring  | m <sup>2</sup> | 31.83  |      |        |
| b          | 48mm thick Cement Sand Screed   | m <sup>2</sup> | 168.99 |      |        |
| b          | 7 mm thick porcelain tile Skirting  | ml             | 53.84  |      |        |
| c          | 100cm Wide Mass Concrete Pavement Around the Building Including All Excavations,Leveling & 25cm Hardcore below the Mass Concrete. | m <sup>2</sup> | 33.90  |      |        |
| <b>6.3</b> | <b>Ceiling Finishing</b>  |                |        |      |        |
| a          | Suspended 8mm thick chipwood Ceiling for all Rooms Including 4*5 Zigba Battens  | m <sup>2</sup> | 168.99 |      |        |
| b          | Suspended PVC Ceiling for Varandah Including 4*5 Zigba Battens  | m <sup>2</sup> | 31.83  |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|            | <b>7.Painting</b>   |                |        |      |        |
| 7.1        | Apply three coats of Plastic paint to Internal wall surface   | m <sup>2</sup> | 31.94  |      |        |
| 7.2        | Apply three coats of Plastic paint to Chipwood Ceiling  | m <sup>2</sup> | 168.99 |      |        |
| 7.3        | Quartz Paint to External wall surface   | m <sup>2</sup> | 0.00   |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|            | <b>8.Sanitary Works</b>   |                |        |      |        |
| <b>8.1</b> | <b>Water Supply Pipes</b>   |                |        |      |        |
| a          | Supply, lay and connect RAK Brand Polypropylene pipe (PPR) pressure pipes with metallic insert                                    |                |        |      |        |
| b          | Outer diameter 20mm   | ml             | 18.00  |      |        |
| c          | Outer diameter 25mm   | ml             | 20.00  |      |        |
| <b>8.2</b> | <b>Angle Valve (RAK)</b>  |                |        |      |        |
| a          | Supply and fix chrome plated service (angle) valves   | N <sup>o</sup> | 10.00  |      |        |
| <b>8.3</b> | <b>Gate Valve</b>   |                |        |      |        |
| a          | Supply and fix gate valve made of bronze,complete with all accessories  |                |        |      |        |
| a.1.       | Internal dia.20mm (25mm)  | pcs            | 2.00   |      |        |
| a.2        | Internal dia.16mm (20mm)  | pcs            | 10.00  |      |        |
| <b>8.4</b> | <b>Waste Drainage System</b>  |                |        |      |        |
| a          | Supply lay and connect PVC pipes for foul drainage. The quality of material should satisfy the requirements of British Standard   |                |        |      |        |
| a.1        | Internal dia. 50 mm   | ml             | 22.00  |      |        |
| a.2        | Internal dia. 110 mm  | ml             | 23.00  |      |        |
| <b>8.5</b> | <b>Sanitary Appliances</b>  |                |        |      |        |
|            | <b>Kitchen Sink</b>   |                |        |      |        |
| a          | Supply and fix Double Bowl Kitchen Sink Size 180 * 58   | N <sup>o</sup> | 2.00   |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |

| Item No    | Description   | Unit | Qty   | Rate | Amount |
|------------|---|------|-------|------|--------|
|            | <b>9.Electrical installation</b>  |      |       |      |        |
|            |   |      |       |      |        |
| <b>9.1</b> | <b>Distribution Board</b>   |      |       |      |        |
|            |   |      |       |      |        |
| <b>a</b>   | Flush mounted Sub distribution board SDB with lockable door, earthing lead cable terminal,connectors and all the necessary accessories consisting of:-  |      |       |      |        |
|            | 1 pc 3 x 32A, MCCB, 3Phase  |      |       |      |        |
|            | 3 pc 1 x 16A, MCCB, 1Phase  |      |       |      |        |
|            | 3 pc 1 x 10A, MCCB, 1Phase  | N°   | 1.00  |      |        |
|            |   |      |       |      |        |
| <b>9.2</b> | <b>Light points</b>   |      |       |      |        |
|            |   |      |       |      |        |
|            | conductors of 3x2.5 mm <sup>2</sup> inside PVC conduits of 16mm diameter,including junction boxes with covers insulating screw cap connectors.  | N°   | 29.00 |      |        |
|            |   |      |       |      |        |
| <b>8.3</b> | <b>Extra Over Light Points for Flush Mounted Switch (Type Legrand or Equivalent)</b>  |      |       |      |        |
| <b>a</b>   | Flush mounting single switch  | No   | 4.00  |      |        |
| <b>b</b>   | Flush mounting double switch  | No   | 2.00  |      |        |
| <b>c</b>   | Flush mounting Intermediate switch  | No   | 2.00  |      |        |
| <b>d</b>   | Flush mounting two -way switch  | No   | 2.00  |      |        |
|            |   |      |       |      |        |
| <b>8.4</b> | <b>Flush Mounted Socket Outlet Points</b>   |      |       |      |        |
|            | 10-16A/1P socket outlet points fed through PVC insulated conductors of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors. | No   | 6.00  |      |        |
|            |   |      |       |      |        |
| <b>8.5</b> | <b>Flush Mounted Socket Outlets with Earth Contact (Type Legrand or Equivalent)</b>   |      |       |      |        |
| <b>a</b>   | Flush mounting twin socket outlet of 10-16A/1P,   | No   | 12.00 |      |        |
| <b>b</b>   | Flush mounting water proof socket outlet of 10-16A/1P,  | No   | 1.00  |      |        |
| <b>c</b>   | Flush mounting water heater socket outlet of 20-25A/1P,   | No   | 2.00  |      |        |
| <b>d</b>   | Flush mounting socket outlet of 25A/1P,   | No   | 2.00  |      |        |
| <b>e</b>   | Flush mounting socket outlet of 3 x 20A/3P,   | No   | 1.00  |      |        |
| <b>f</b>   | Flush mounting socket outlet of 3 x 25A/3P,   | No   | 2.00  |      |        |
|            |   |      |       |      |        |
| <b>8.6</b> | <b>Light Fittings and Lamps</b>   |      |       |      |        |
|            | Connected and tested including lamps and accessories complete, all as specified or described.   |      |       |      |        |
|            |   |      |       |      |        |
| <b>a</b>   | PELSAN 5012.908 With 1 x 'TLD' 36W/840 Fluorescent Lamp   | No   | 3.00  |      |        |
| <b>b</b>   | PELSAN 5012.908 With 2 x 'TLD' 36W/840 Fluorescent Lamp   | No   | 3.00  |      |        |
| <b>c</b>   | PELSAN 5014.726 With 4 x 'TLD' 18W/840 Fluorescent Lamp   | No   | 23.00 |      |        |
|            |   |      |       |      |        |
| <b>8.7</b> | <b>CONDUITS AND PIPES</b>   |      |       |      |        |
| <b>a</b>   | PVC of 110mm diameter.  | ml   | 12.00 |      |        |
| <b>b</b>   | PVC of 50mm diameter.   | ml   | 30.00 |      |        |

| Item No                                  | Description  | Unit | Qty   | Rate | Amount |
|--|--|------|-------|------|--------|
| <b>8.8</b>                               | <b>MANHOLE</b>   |      |       |      |        |
| a  | Manhole in brick or masonry ,Size 800 * 800 * 700mm  | No.  | 1.00  |      |        |
| <b>8.9</b>                               | <b>FEEDER CABLES</b>   |      |       |      |        |
|  | PVC sheathed PVC insulated power cable type NYY 0.6/1KV or equivalent to be drawn inside cement or PVC conduit (measured elsewhere)  |      |       |      |        |
|  | (a) 2 * 10 mm <sup>2</sup>   | ml   | 25.00 |      |        |
| <b>8.10</b>                              | <b>Earthing</b>  |      |       |      |        |
| a  | Earthing system: materials, supplied, installed, connected and tested, complete, including conductors, busbar, straps, test points, connectors, and all necessary accessories, complete all as specified and / or shown on drawings. | Ls   | 1.00  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |      |       |      |        |

## Male Toilet & Shower

| Item No | Description                      | Total Amount |
|---------|----------------------------------|--------------|
|         | <b>A. Sub Structure</b>          |              |
| A.1     | <b>Excavation and Earth Work</b> |              |
| A.2     | <b>Concrete Work</b>             |              |
| A.3     | <b>Masonry Work</b>              |              |
|         |                                  |              |
|         | <b>Sub Total A</b>               |              |
|         |                                  |              |
|         | <b>B.Super Structure</b>         |              |
|         |                                  |              |
| B.1     | <b>Concrete Work</b>             |              |
| B.2     | <b>Block work</b>                |              |
| B.3     | <b>Roofing</b>                   |              |
| B.4     | <b>Carpentry and Joinery</b>     |              |
| B.5     | <b>Metal Work</b>                |              |
| B.6     | <b>Finishing</b>                 |              |
| B.7     | <b>Painting</b>                  |              |
| B.8     | <b>Sanitary Installation</b>     |              |
| B.9     | <b>Electrical Installation</b>   |              |
|         |                                  |              |
|         | <b>Sub Total B</b>               |              |
|         |                                  |              |
|         | <b>Grand Total A + B</b>         |              |



| Item No                                  | Description   | Unit           | Qty    | Rate | Amount |
|--|---|----------------|--------|------|--------|
| <b>A. Sub Structure</b>                  |   |                |        |      |        |
| <b>1. Excavation and Earth Work</b>      |   |                |        |      |        |
| 1.1                                      | soil. Site Clearing to a depth of 20cm to remove top organic    | m <sup>2</sup> | 46.62  |      |        |
| 1.2                                      | Pit excavation for a toilet as per the Design                   | m <sup>3</sup> | 108.54 |      |        |
| 1.3                                      | Trench excavation in ordinary soil up to a depth of 150 cm      | m <sup>3</sup> | 0.00   |      |        |
| 1.4                                      | Back Fill Under hard core with selected material                | m <sup>3</sup> | 0.00   |      |        |
| 1.5                                      | Back fill around stone masonry with selected material           | m <sup>3</sup> | 0.00   |      |        |
| 1.6                                      | Cart away Surplus Excavated Material 5km Away from the compound | m <sup>3</sup> | 117.87 |      |        |
| 1.7                                      | 25 cm thick Hard CoreHardcore                                   | m <sup>2</sup> | 33.92  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>2. Concrete Work</b>                  |   |                |        |      |        |
| 2.1                                      | <b>C-5 lean concrete Under</b>                                  |                |        |      |        |
|  | a.Stone Masnory   | m <sup>2</sup> | 0.00   |      |        |
|  | b.Grade beam  | m <sup>2</sup> | 0.00   |      |        |
| 2.2                                      | <b>C-25 concrete In</b>   |                |        |      |        |
|  | a.Grade Beam  | m <sup>3</sup> | 1.62   |      |        |
|  | b. 10cm thick Ground Floor slab                                 | m <sup>2</sup> | 33.92  |      |        |
| 2.3                                      | <b>Formwork</b>   |                |        |      |        |
|  | Grade Beam  | m <sup>2</sup> | 14.04  |      |        |
|  | 10cm thick Ground Floor slab                                    | m <sup>2</sup> | 33.92  |      |        |
| 2.4                                      | <b>Reinforcement</b>  |                |        |      |        |
|  | a.Diameter 8 mm def. re Bars                                    | kg             | 532.00 |      |        |
|  | b.Diameter 12 mm def. re Bars                                   | kg             | 225.00 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>3. Masonry Work</b>                   |   |                |        |      |        |
| 3.1                                      | 50cm thick Stone Masonry below NGL                              | m <sup>3</sup> | 45.63  |      |        |
| 3.2                                      | 50cm thick Stone Masonry above NGL                              | m <sup>3</sup> | 6.08   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>B. Super Structure</b>                |   |                |        |      |        |
| <b>1. Concrete Work</b>                  |   |                |        |      |        |
| 1.1                                      | <b>C-25 concrete</b>  |                |        |      |        |
|  | a.Elevation column  | m <sup>3</sup> | 1.02   |      |        |
|  | b.Beams and lintels   | m <sup>3</sup> | 2.47   |      |        |
| 1.2                                      | <b>Formwork</b>   |                |        |      |        |
|  | a.For elevation column  | m <sup>2</sup> | 20.48  |      |        |
|  | b.For Beams & Lintels   | m <sup>2</sup> | 32.88  |      |        |
| 1.3                                      | <b>Reinforcement</b>  |                |        |      |        |
|  | a.Diameter 8 mm def. Re Bars                                    | kg             | 112.81 |      |        |
|  | b.Diameter 12 mm def. Re Bars                                   | kg             | 236.21 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |

| Item No                                  | Description   | Unit           | Qty    | Rate | Amount |
|--|---|----------------|--------|------|--------|
| <b>2.Block work</b>                      |   |                |        |      |        |
| 2.1                                      | 20 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 37.50  |      |        |
| 2.2                                      | 15 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 15.65  |      |        |
| 2.3                                      | 10 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 27.48  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>3.Roofing</b>                         |   |                |        |      |        |
| 3.1                                      | EGA 300 0.4mm ,Roof Measured in Horizontal Projection   | m <sup>2</sup> | 14.18  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>4.Carpentry and Joinery</b>           |   |                |        |      |        |
| <b>4.1 Truss Members</b>                 |   |                |        |      |        |
| a  | Diam. 10-12 cm thick eucalyptus truss upper and lower chord   | ml             | 56.65  |      |        |
| b  | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member   | ml             | 38.10  |      |        |
| c  | Diam. 5x 7cm thick best quality sawn pine purlin  | ml             | 76.00  |      |        |
| 4.2                                      | 25cm wide Zigba Wood Facia Board Including one coat of Varnish & two coats of synthetic paint                                     | ml             | 23.52  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>5.Aluminum work</b>                   |   |                |        |      |        |
| <b>5.1 Adonized Aluminium Door</b>       |   |                |        |      |        |
| a  | D 1 SIZE 80 * 220   | pc             | 8.00   |      |        |
| <b>5.2 Adonized Aluminium Window</b>     |   |                |        |      |        |
| a  | W 1 SIZE 70 * 142   | pc             | 2.00   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |
| <b>6.Finishing Work</b>                  |   |                |        |      |        |
| <b>6.1 Wall finishing</b>                |   |                |        |      |        |
| a  | Apply Two coats of external plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 37.50  |      |        |
| b  | Apply Two coats of internal plastering with cement mortar 1:3 ratio   | m <sup>2</sup> | 161.24 |      |        |
| c  | Apply Gypsum finish to internal vertical surface  | m <sup>2</sup> | 0.00   |      |        |
| d  | 6mm thick Ceramic Wall Tile   | m <sup>2</sup> | 11.63  |      |        |
| e  | 32cm wide marble window sill  | ml             | 1.50   |      |        |
| <b>6.2 Floor finishing</b>               |   |                |        |      |        |
| a  | 6 mm thick porcelain tile flooring  | m <sup>2</sup> | 31.25  |      |        |
| b  | 7 mm thick porcelain tile Skirting  | ml             | 0.00   |      |        |
| c  | 100cm Wide Mass Concrete Pavement Around the Building Including All Excavations,Leveling & 25cm Hardcore below the Mass Concrete. | m <sup>2</sup> | 13.28  |      |        |
| <b>6.3 Ceiling Finishing</b>             |   |                |        |      |        |
| a  | Suspended 8mm thick chipwood Ceiling for all Rooms Including 4*5 Zigba Battens  | m <sup>2</sup> | 0.00   |      |        |
| b  | Suspended PVC Ceiling for Varandah Including 4*5 Zigba Battens  | m <sup>2</sup> | 0.00   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |        |      |        |

| Item No     | Description  | Unit           | Qty   | Rate | Amount |
|-------------|--|----------------|-------|------|--------|
|             | <b>7.Painting</b>  |                |       |      |        |
| 7.1         | Apply three coats of Plastic paint to Internal wall surface  | m <sup>2</sup> | 0.00  |      |        |
| 7.2         | Apply three coats of Plastic paint to Chipwood Ceiling   | m <sup>2</sup> | 0.00  |      |        |
| 7.3         | Quartz Paint to External wall surface  | m <sup>2</sup> | 37.50 |      |        |
|             | <b>Total Carried to Summary Eth.Birr</b>   |                |       |      |        |
|             | <b>8.Sanitary Works</b>  |                |       |      |        |
| <b>8.1</b>  | <b>Water Supply Pipes</b>  |                |       |      |        |
|             | Supply, lay and connect RAK Brand Polypropylene pipe (PPR) pressure pipes with metallic insert   |                |       |      |        |
| <b>b</b>    | Outer diameter 20mm  | ml             | 18.00 |      |        |
| <b>c</b>    | Outer diameter 25mm  | ml             | 20.00 |      |        |
| <b>8.2</b>  | <b>Angle Valve (RAK)</b>   |                |       |      |        |
| <b>a</b>    | Supply and fix chrome plated service (angle) valves  | N <sup>o</sup> | 10.00 |      |        |
| <b>8.3</b>  | <b>Gate Valve</b>  |                |       |      |        |
|             | Supply and fix gate valve made of bronze,complete with all accessories   |                |       |      |        |
| <b>a.1.</b> | Internal dia.20mm (25mm)   | pcs            | 2.00  |      |        |
| <b>a.2</b>  | Internal dia.16mm (20mm)   | pcs            | 10.00 |      |        |
| <b>8.4</b>  | <b>Waste Drainage System</b>   |                |       |      |        |
|             | Supply lay and connect PVC pipes for foul drainage. The quality of material should satisfy the requirements of British Standard  |                |       |      |        |
| <b>a.1</b>  | Internal dia. 50 mm  | ml             | 22.00 |      |        |
| <b>a.2</b>  | Internal dia. 110 mm   | ml             | 23.00 |      |        |
| <b>8.5</b>  | <b>Sanitary Appliances</b>   |                |       |      |        |
|             | <b>Hand Wash Basin</b>   |                |       |      |        |
|             | Supply and fix Hand Wash Basin , made from white vitreous China ,with pedestal, Size:- 500 x 400 mm. Gold Dragon or Equivalent   | N <sup>o</sup> | 2.00  |      |        |
|             | <b>W.C</b>   |                |       |      |        |
| <b>b1</b>   | Supply and fix Turkish Type W.C made from metallic alloy   | No             | 2.00  |      |        |
| <b>b2</b>   | Make a Traditonal latrine hole as per the design including its cover (used for during Emergency)   | No             | 2.00  |      |        |
| <b>c</b>    | Shower Tray Size 80 * 80 cm  | No             | 2.00  |      |        |
|             | <b>Crystal Glass Mirror</b>  |                |       |      |        |
|             | Supply and fix approved quality frame less crystal glass mirror, back-silvered, minimum 6mm thick. Complete with theft resistant concealed wall fastening fittings and other accessories. Size :-500x400mm | N <sup>o</sup> | 2.00  |      |        |
|             | <b>Soap Holder</b>   |                |       |      |        |
| <b>e</b>    | Supply and fix soap holder made of white vitreous china,complete with all accessories.   | N <sup>o</sup> | 4.00  |      |        |
|             | <b>Towel Hanger</b>  |                |       |      |        |
| <b>f</b>    | Supply and fix towel hanger made of chrome plated steel with best quality complete with all accessories.   | N <sup>o</sup> | 4.00  |      |        |
|             | <b>Total Carried to Summary Eth.Birr</b>   |                |       |      |        |

| Item No  | Description   | Unit | Qty   | Rate | Amount |
|----------|---|------|-------|------|--------|
|          | <b>9.Electrical installation</b>  |      |       |      |        |
|          | <b>8.1 Distribution Board</b>   |      |       |      |        |
| <b>a</b> | Flush mounted Sub distribution board SDB with lockable door, earthing lead cable terminal,connectors and all the necessary accessories consisting of:-  |      |       |      |        |
|          | 1 pc 1 x 20A, MCCB, 1Phase  |      |       |      |        |
|          | 1 pc 1 x 10A, MCCB, 1Phase  | Nº   | 1.00  |      |        |
|          | <b>8.2 Light points</b>   |      |       |      |        |
|          | Flush mounted light points fed through PVC insulated conductors of 3x2.5 mm <sup>2</sup> inside PVC conduits of 16mm diameter,including junction boxes with covers insulating screw cap connectors.       | Nº   | 10.00 |      |        |
|          | <b>8.3 (Type Legrand or Equivalent)</b>   |      |       |      |        |
| <b>a</b> | Flush mounting single switch  | No   | 12.00 |      |        |
|          | <b>8.4 Flush Mounted Socket Outlet Points</b>   |      |       |      |        |
|          | 10-16A/1P socket outlet points fed through PVC insulated conductors of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors. | No   | 0.00  |      |        |
|          | <b>8.5 (Type Legrand or Equivalent)</b>   |      |       |      |        |
| <b>a</b> | Flush mounting twin socket outlet of 10-16A/1P,   | No   | 0.00  |      |        |
|          | <b>8.6 Light Fittings and Lamps</b>   |      |       |      |        |
|          | Connected and tested including lamps and accessories complete, all as specified or described.   |      |       |      |        |
| <b>a</b> | PELSAN 5012.908 With 1 x 'TLD' 36W/840 Fluorescent Lamp   | No   | 2.00  |      |        |
| <b>b</b> | RZB 20146.922 WITH 1xTC-D 13W LAMP.   | No   | 8.00  |      |        |
|          | <b>8.7 CONDUITS AND PIPES</b>   |      |       |      |        |
| <b>a</b> | PVC of 110mm diameter.  | ml   | 6.00  |      |        |
| <b>b</b> | PVC of 50mm diameter.   | ml   | 12.00 |      |        |
|          | <b>8.8 MANHOLE</b>  |      |       |      |        |
| <b>a</b> | Manhole in brick or masonry ,Size 800 * 800 * 700mm   | No.  | 1.00  |      |        |
|          | <b>8.9 FEEDER CABLES</b>  |      |       |      |        |
|          | PVC sheathed PVC insulated power cable type NYY 0.6/1KV or equivalent to be drawn inside cement or PVC conduit (measured elsewhere)   |      |       |      |        |
|          | (a) 1 * 6 mm <sup>2</sup>   | ml   | 8.00  |      |        |
|          | <b>Total Carried to Summary Eth.Birr</b>  |      |       |      |        |

## Summary Incinerator

| Item No | Description               | Total Amount |
|---------|---------------------------|--------------|
|         |                           |              |
| A.1     | Excavation and Earth Work |              |
|         |                           |              |
| A.2     | Masonry Work              |              |
|         |                           |              |
| A.3     | Concrete Work             |              |
|         |                           |              |
| A.4     | Metal Work                |              |
|         |                           |              |
| A.5     | Finishing                 |              |
|         |                           |              |
| A.6     | Ash Pit                   |              |
|         |                           |              |
|         | <b>Total</b>              |              |
|         |                           |              |

| Item No                                  | Description  | Unit           | Qty | Rate | Amount |
|--|--|----------------|-----|------|--------|
| <b>1. EXCAVATION AND EARTH WORK</b>      |  |                |     |      |        |
| 1.1                                      | Bulk excavation in ordinary soil to a depth of 500 mm  | m <sup>3</sup> | 5   |      |        |
| 1.2                                      | Trench excavation for strip foundation in ordinary soil to a depth of 550mm starting from reduced ground level.                        | m <sup>3</sup> | 5   |      |        |
| 1.3                                      | Fill around foundation and under pavement with selected excavated material from site and compact in layers not exceeding 200 mm        | m <sup>3</sup> | 18  |      |        |
| 1.4                                      | Load and cart away excavated material to an appropriate tip.   | m <sup>3</sup> | 10  |      |        |
| 1.5                                      | 250mm thick basaltic or equivalent stone hardcore ,well rolled, consolidated and blinded with crushed stone.                           | m <sup>2</sup> | 16  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |     |      |        |
| <b>2. MASONRY WORK</b>                   |  |                |     |      |        |
| 2.1                                      | 250mm thick burnt double brick wall bedded in cement mortar (1:3) and external side left for pointing. Price shall include mortar bed. | m <sup>2</sup> | 36  |      |        |
| 2.2                                      | Ditto but 120mm thick single brick wall  | m <sup>2</sup> | 15  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |     |      |        |
| <b>3. CONCRETE WORK</b>                  |  |                |     |      |        |
| 3.1                                      | 50mm lean concrete quality C-5, 150 kg of cement/m <sup>3</sup> ,Under Strip foundation  | m <sup>2</sup> | 9   |      |        |
| 3.2                                      | Reinforced concrete quality C-20,In Strip foundation   | m <sup>3</sup> | 5   |      |        |
| 3.3                                      | ditto, In 150mm thick ground slab  | m <sup>2</sup> | 12  |      |        |
| 3.4                                      | ditto, In 120mm thick Suspended slab   | m <sup>2</sup> | 6   |      |        |
| 3.5                                      | Provide, cut and fix in position sawn zigba wood or steel formwork which ever appropriate To Strip foundation                          | m <sup>2</sup> | 38  |      |        |
| 3.6                                      | Dia. 8 mm deformed bar   | kg             | 180 |      |        |
| 3.7                                      | Dia. 10 mm deformed bar  | kg             | 110 |      |        |
| 3.8                                      | Dia. 12 mm deformed bar  | kg             | 212 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |     |      |        |

| Item No | Description   | Unit           | Qty | Rate | Amount |
|---------|---|----------------|-----|------|--------|
|         |   |                |     |      |        |
|         | <b>4. METAL WORK</b>  |                |     |      |        |
|         |   |                |     |      |        |
| 4.1     | Supply and fix 1.5mm thick sheet metal opening with handle and angle iron frame anchored to concrete slab. Price shall include one coat of anti rust , two coats of synthetic paint and all the necessary accessories to complete the work size 500x400mm | pcs            | 1   |      |        |
| 4.2     | Supply and install 1.5mm thick sheet metal Ash box according to detail drawing. Price shall include one coat of anti rust , two coats of synthetic paint and all the necessary accessories to complete the work   | pcs            | 1   |      |        |
| 4.3     | Supply and install metal fire grill made of 20mm reinforcement bar c/c 50mm both ways. Price shall include one coat of anti rust , two coats of synthetic paint and all the necessary accessories to complete the work                                    | pcs            | 1   |      |        |
|         |   |                |     |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |     |      |        |
|         |   |                |     |      |        |
|         | <b>5.FINISHING</b>  |                |     |      |        |
|         |   |                |     |      |        |
| 5.1     | Apply three coats of plastering in cement mortar (1:3). Price shall include pre-cleaning and preparation of the surface.To concrete slab.   | m <sup>2</sup> | 23  |      |        |
| 5.2     | Apply pointing to Brick wall surface in cement mortar (1:2). Price shall include pre-cleaning and preparation of the surface.   | m <sup>2</sup> | 36  |      |        |
|         |   |                |     |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |     |      |        |
|         |   |                |     |      |        |
|         | <b>6.Ash Pit</b>  |                |     |      |        |
|         |   |                |     |      |        |
| 6.1     | Provide as per the given detail design an Ash Pit near the Incinerator  | No             | 1   |      |        |
|         |   |                |     |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |     |      |        |

### Site Works

| Item No | Description                   | Total Amount |
|---------|-------------------------------|--------------|
| 1       | Internal Roadways & Walk Ways |              |
| 2       | Electrical Site Work          |              |
| 3       | Sanitary Site Work            |              |
| 4       | Fence Work                    |              |
|         |                               |              |
|         | Sub Total Site Work           |              |



| Item No                                  | Description   | Unit           | Qty | Rate | Amount |
|--|---|----------------|-----|------|--------|
| <b>Site Work</b>                         |   |                |     |      |        |
| <b>1.Internal Road &amp; Walkways</b>    |   |                |     |      |        |
| 1.1                                      | Levelling the ground to the designed level in ordinary soil over the compound & parking area with an average thickness of 250 mm. The ground shall then be levelled and graded according to elevation plan. | m <sup>2</sup> | 500 |      |        |
| 1.2                                      | Remove surplus excavated material & deposit it at a distance not exceeding 2km. from site.  | m <sup>3</sup> | 200 |      |        |
| 1.3                                      | Compaction of the natural Earth & spread a Gravel or Red Ash on top of it for walk Ways   | m <sup>2</sup> | 500 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |     |      |        |
| <b>2.Electrical Site Work</b>            |   |                |     |      |        |
| 2.1                                      | <b>Manhole</b>  |                |     |      |        |
|  | Manhole in brick or masonry, internally of 500x500x700mm including reinforced concrete cover with lifting lug.  | No             | 12  |      |        |
|  | Ditto, but of 500x500x500mm for tele/data line.   | No             | 2   |      |        |
| 2.2                                      | <b>Conduits &amp; Pipes</b>   |                |     |      |        |
|  | PVC pipe of 75mm diameter.  | ml             | 150 |      |        |
|  | PVC pipe of 32mm diameter.  | ml             | 30  |      |        |
| 2.3                                      | <b>Feeder Cables</b>  |                |     |      |        |
|  | 4X16 sq.mm from EEPKO Meter to MDB & to Other Blocks  | ml             | 200 |      |        |
|  | 3X4 sq.mm from MDB to SDB for garden lighting & compound Lighting   | ml             | 300 |      |        |
|  | 4X16 sq.mm from MDB to Water Pump Board   | ml             | 350 |      |        |
| 2.4                                      | <b>External Lighting</b>  |                |     |      |        |
|  | DISANO 1240 TORPEDO + ACC 456 with 1 * SAP -70W High Pressure Sodium Vapour Lamp  | No             | 18  |      |        |
|  | Compound Light to be fixed on the Gate with accessories & lamp  | No             | 4   |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |   |                |     |      |        |

| Item No | Description   | Unit | Qty | Rate | Amount |
|---------|---|------|-----|------|--------|
|         |   |      |     |      |        |
|         | <b>3.Sanitary Site work</b>   |      |     |      |        |
|         |   |      |     |      |        |
|         | <b>Cold Water Line</b>  |      |     |      |        |
| 3.1     | Supply and install HDPE pipes PN-10 Dia 32mm pipes according to the drawing shown from elevated and/or ground water tanks to the buildings ensuring the direct supply to internal fixtures with necessary fittings and accessories complete |      |     |      |        |
|         | 32mm diameter   | ml   | 200 |      |        |
| 3.2     | Supply and fix gate valves of approved standards complete with unions, elastic water proofing and hand wheels of normal quality and necessary accessories.  |      |     |      |        |
|         | 32mm diameter   | No   | 5   |      |        |
| 3.3     | Supply and fix check valves of approved standards complete with unions, elastic water proofing and hand wheels of normal quality and necessary accessories.   |      |     |      |        |
|         | 32mm diameter   | No   | 4   |      |        |
| 3.4     | <b>Water Pump</b>   |      |     |      |        |
|         | Supply & Install Domestic water pump GRUNDFOSE or equivalent Q=1.5 l/sec, H=20m, Power 2.9KW, Eff >70%, NPSH >1.5m including basket strainer, inlet outlet valves, floating switches and all required accessory                             | No   | 3   |      |        |
| 3.2     | <b>Water Tank</b>   |      |     |      |        |
|         | Supply and install on the ground water tanks made from FIBER GLASS Mounted on the Ground with approved standard of a capacity of 10m <sup>3</sup>   | No   | 3   |      |        |
|         |   |      |     |      |        |
|         | <b>Sewerage Line</b>  |      |     |      |        |
|         |   |      |     |      |        |
| 3.3     | Construct rectangular double brick manholes on a sanitary sewers on a base of 100mm thick mass concrete, with proper chanel for smooth flow and 80cm thich RC slab cover and backfilling as shown in the drawings including excavation      |      |     |      |        |
|         | size 700 x 700mm  | No   | 14  |      |        |
| 3.40    | Supply and lay PVC sewage pipes with a slope of 2% on a firm bed of sand 10cm thick below and 30cm above crown of pipe in open ground. the joints and installation shall make possible the best conditions shall made tight                 |      |     |      |        |

| Item No    | Description  | Unit           | Qty     | Rate | Amount |
|------------|--|----------------|---------|------|--------|
|            | 50mm diameter  | ml             | 36      |      |        |
|            | 110mm diameter   | ml             | 150     |      |        |
| <b>3.5</b> | <b>Septic Tank</b>   |                |         |      |        |
|            | Construct Septic Tank As per the Design  | LS             | 1       |      |        |
| <b>3.6</b> | <b>Storm Water Channel</b>   |                |         |      |        |
|            | Excavate and construct drainage channel out of Concrete pipe with one coat of cement mortar internally, price includes of necessary works red ash of minimum thickness of 50mm and excavation of trench, cart away, supply and spreading         | ml             | 300     |      |        |
| <b>3.7</b> | Construct manholes on storm water drainage out of precast concrete pipes on a base of 100mm thick mass concrete, with proper chanel for smooth flow and 8.0cm thich RC slab cover including excavation and backfilling for 500mm diameter manhol |                |         |      |        |
|            | size 700 x 700mm   | No             | 6       |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>   |                |         |      |        |
|            | <b>4.Fence Work</b>  |                |         |      |        |
|            | <b>A. Sub Structure</b>  |                |         |      |        |
|            | <b>1. Excavation and Earth Work</b>  |                |         |      |        |
| <b>1.3</b> | Trench excavation in ordinary soil up to a depth of 150 cm   | m <sup>3</sup> | 294.00  |      |        |
| <b>1.5</b> | Back fill around stone masonry with selected material  | m <sup>3</sup> | 147.00  |      |        |
| <b>1.6</b> | Cart away Surplus Excavated Material 5km Away from the compund   | m <sup>3</sup> | 294.00  |      |        |
|            | <b>2.Concrete Work</b>   |                |         |      |        |
| <b>2.1</b> | <b>C-5 lean concrete Under</b>   |                |         |      |        |
|            | a.Stone Masnory  | m <sup>2</sup> | 147.00  |      |        |
| <b>2.2</b> | <b>C-25 concrete In</b>  |                |         |      |        |
|            | a.Grade Beam   | m <sup>3</sup> | 29.40   |      |        |
| <b>2.3</b> | <b>Formwork</b>  |                |         |      |        |
|            | Grade Beam   | m <sup>2</sup> | 117.60  |      |        |
| <b>2.4</b> | <b>Reinforcement</b>   |                |         |      |        |
|            | a.Diameter 8 mm def. re Bars   | kg             | 581.08  |      |        |
|            | b.Diameter 12 mm def. re Bars  | kg             | 1280.00 |      |        |

| Item No | Description   | Unit           | Qty     | Rate | Amount |
|---------|---|----------------|---------|------|--------|
|         | <b>3.Masonry Work</b>   |                |         |      |        |
| 3.1     | 50cm thick Stone Masonry below NGL                                  | m <sup>3</sup> | 147.00  |      |        |
| 3.2     | 50cm thick Stone Masonry above NGL                                  | m <sup>3</sup> | 44.10   |      |        |
|         | <b>B. Super Structure</b>   |                |         |      |        |
|         | <b>1.Concrete Work</b>  |                |         |      |        |
| 1.1     | <b>C-25 concrete</b>  |                |         |      |        |
|         | a.Elevation column  | m <sup>3</sup> | 8.08    |      |        |
| 1.2     | <b>Formwork</b>   |                |         |      |        |
|         | a.For elevation column  | m <sup>2</sup> | 161.60  |      |        |
| 1.3     | <b>Reinforcement</b>  |                |         |      |        |
|         | a.Diameter 8 mm def. Re Bars  | kg             | 707.00  |      |        |
|         | b.Diameter 12 mm def. Re Bars                                       | kg             | 1010.00 |      |        |
|         | <b>2.Block work</b>   |                |         |      |        |
| 2.1     | 20 cm. thick class-C H.C.B wall.                                    | m <sup>2</sup> | 588.00  |      |        |
|         | <b>6.Finishing Work</b>   |                |         |      |        |
| 6.1     | <b>Wall finishing</b>   |                |         |      |        |
| a       | Apply Two coats of external plastering with cement mortar 1:3 ratio | m <sup>2</sup> | 1162.17 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>                            |                |         |      |        |

## MEDICAL, COUNSELING & INTERVIEW ROOM

| Item No | Description                      | Total Amount |
|---------|----------------------------------|--------------|
|         | <b>A. Sub Structure</b>          |              |
|         |                                  |              |
| A.1     | <b>Excavation and Earth Work</b> |              |
| A.2     | <b>Concrete Work</b>             |              |
| A.3     | <b>Masonry Work</b>              |              |
|         |                                  |              |
|         | <b>Sub Total A</b>               |              |
|         |                                  |              |
|         | <b>B.Super Structure</b>         |              |
|         |                                  |              |
| B.1     | <b>Concrete Work</b>             |              |
| B.2     | <b>Block work</b>                |              |
| B.3     | <b>Roofing</b>                   |              |
| B.4     | <b>Carpentry and Joinery</b>     |              |
| B.5     | <b>Metal Work</b>                |              |
| B.6     | <b>Finishing</b>                 |              |
| B.7     | <b>Painting</b>                  |              |
| B.8     | <b>Electrical Installation</b>   |              |
|         |                                  |              |
|         | <b>Sub Total B</b>               |              |
|         |                                  |              |
|         | <b>Grand Total A + B</b>         |              |

| Item No                                  | Description  | Unit           | Qty    | Rate | Amount |
|--|--|----------------|--------|------|--------|
| <b>A. Sub Structure</b>                  |  |                |        |      |        |
| <b>1. Excavation and Earth Work</b>      |  |                |        |      |        |
| 1.1                                      | Site Clearing to a depth of 20cm to remove top organic soil.   | m <sup>2</sup> | 117.04 |      |        |
| 1.2                                      | Bulk excavation for a depth of 80 cm to reduced level          | m <sup>3</sup> | 45.14  |      |        |
| 1.3                                      | Trench excavation in ordinary soil up to a depth of 150 cm     | m <sup>3</sup> | 65.25  |      |        |
| 1.4                                      | Back Fill Under hard core with selected material               | m <sup>3</sup> | 32.00  |      |        |
| 1.5                                      | Back fill around stone masonry with selected material          | m <sup>3</sup> | 14.68  |      |        |
| 1.6                                      | Cart away Surplus Excavated Material 5km Away from the compund | m <sup>3</sup> | 133.80 |      |        |
| 1.7                                      | 25 cm thick Hard CoreHardcore                                  | m <sup>2</sup> | 64.20  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |
| <b>2.Concrete Work</b>                   |  |                |        |      |        |
| 2.1                                      | <b>C-5 lean concrete Under</b>                                 |                |        |      |        |
|  | a.Stone Masnory  | m <sup>2</sup> | 21.75  |      |        |
|  | b.Grade beam   | m <sup>2</sup> | 8.70   |      |        |
| 2.2                                      | <b>C-25 concrete In</b>  |                |        |      |        |
|  | a.Grade Beam   | m <sup>3</sup> | 3.48   |      |        |
|  | b. 10cm thick Ground Floor slab                                | m <sup>2</sup> | 64.20  |      |        |
| 2.3                                      | <b>Formwork</b>  |                |        |      |        |
|  | Grade Beam   | m <sup>2</sup> | 34.80  |      |        |
| 2.4                                      | <b>Reinforcement</b>   |                |        |      |        |
|  | a.Diameter 8 mm def. re Bars                                   | kg             | 519.74 |      |        |
|  | b.Diameter 12 mm def. re Bars                                  | kg             | 168.72 |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |
| <b>3.Masonry Work</b>                    |  |                |        |      |        |
| 3.1                                      | 50cm thick Stone Masonry below NGL                             | m <sup>3</sup> | 32.63  |      |        |
| 3.2                                      | 50cm thick Stone Masonry above NGL                             | m <sup>3</sup> | 13.05  |      |        |
| <b>Total Carried to Summary Eth.Birr</b> |  |                |        |      |        |
| <b>B. Super Structure</b>                |  |                |        |      |        |
| <b>1.Concrete Work</b>                   |  |                |        |      |        |
| 1.1                                      | <b>C-25 concrete</b>   |                |        |      |        |
|  | a.Elevation column   | m <sup>3</sup> | 0.77   |      |        |
|  | b.Beams and lintels  | m <sup>3</sup> | 2.61   |      |        |
| 1.2                                      | <b>Formwork</b>  |                |        |      |        |
|  | a.For elevation column   | m <sup>2</sup> | 15.36  |      |        |
|  | b.For Beams & Lintels  | m <sup>2</sup> | 34.80  |      |        |
| 1.3                                      | <b>Reinforcement</b>   |                |        |      |        |
|  | a.Diameter 8 mm def. Re Bars                                   | kg             | 189.06 |      |        |

| Item No | Description   | Unit           | Qty    | Rate | Amount |
|---------|---|----------------|--------|------|--------|
|         | b.Diameter 12 mm def. Re Bars   | kg             | 243.31 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>2.Block work</b>   |                |        |      |        |
| 2.1     | 20 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 128.94 |      |        |
| 2.2     | 15 cm. thick class-C H.C.B wall.  | m <sup>2</sup> | 40.95  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>3.Roofing</b>  |                |        |      |        |
| 3.1     | EGA 300 0.4mm ,Roof Measured in Horizontal Projection   | m <sup>2</sup> | 99.36  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>4.Carpentry and Joinery</b>  |                |        |      |        |
| 4.1     | <b>Truss Members</b>  |                |        |      |        |
| a       | Diam. 10-12 cm thick eucalyptus truss upper and lower chord                                   | ml             | 142.80 |      |        |
| b       | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member                             | ml             | 63.10  |      |        |
| c       | Diam. 5x 7cm thick best quality sawn pine purlin  | ml             | 158.40 |      |        |
| 4.2     | 25cm wide Zigba Wood Facia Board Including one coat of Varnish & two coats of synthetic paint | ml             | 42.84  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>5.Aluminum work</b>  |                |        |      |        |
| 5.1     | <b>Adonized Aluminium Door</b>  |                |        |      |        |
| a       | D 1 SIZE 90 * 250   | pc             | 4.00   |      |        |
| 5.2     | <b>Adonized Aluminium Window</b>  |                |        |      |        |
| a       | W 1 SIZE 180 * 180  | pc             | 3.00   |      |        |
| b       | W 1 SIZE 120 * 180  | pc             | 2.00   |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|         | <b>6.Finishing Work</b>   |                |        |      |        |
| 6.1     | <b>Wall finishing</b>   |                |        |      |        |
| a       | Apply Two coats of external plastering with cement mortar 1:3 ratio                           | m <sup>2</sup> | 128.94 |      |        |
| b       | Apply Two coats of internal plastering with cement mortar 1:3 ratio                           | m <sup>2</sup> | 183.36 |      |        |
| c       | Apply Gypsum finish to internal vertical surface  | m <sup>2</sup> | 183.36 |      |        |
| d       | 32cm wide marble window sill  | ml             | 8.05   |      |        |
| 6.2     | <b>Floor finishing</b>  |                |        |      |        |
| a       | 6 mm thick porcelain tile flooring  | m <sup>2</sup> | 57.44  |      |        |
| b       | 7 mm thick porcelain tile Skirting  | ml             | 42.80  |      |        |

| Item No    | Description   | Unit           | Qty    | Rate | Amount |
|------------|---|----------------|--------|------|--------|
| c          | 100cm Wide Mass Concrete Pavement Around the Building Including All Excavations, Leveling & 25cm Hardcore below the Mass Concrete.  | m <sup>2</sup> | 41.80  |      |        |
| <b>6.3</b> | <b>Ceiling Finishing</b>  |                |        |      |        |
| a          | Suspended 8mm thick chipwood Ceiling for all Rooms Including 4*5 Zigba Battens  | m <sup>2</sup> | 45.86  |      |        |
| b          | Suspended PVC Ceiling for Varandah Including 4*5 Zigba Battens  | m <sup>2</sup> | 11.58  |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|            | <b>7.Painting</b>   |                |        |      |        |
| 7.1        | Apply three coats of Plastic paint to Internal wall surface   | m <sup>2</sup> | 183.36 |      |        |
| 7.2        | Apply three coats of Plastic paint to Chipwood Ceiling  | m <sup>2</sup> | 45.86  |      |        |
| 7.3        | Quartz Paint to External wall surface   | m <sup>2</sup> | 128.94 |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>  |                |        |      |        |
|            | <b>8.Electrical installation</b>  |                |        |      |        |
| <b>8.1</b> | <b>Distribution Board</b>   |                |        |      |        |
| a          | Flush mounted Sub distribution board SDB with lockable door, earthing lead cable terminal, connectors and all the necessary accessories consisting of:-   |                |        |      |        |
|            | 1 pc 1 x 25A, MCCB, 1Phase  |                |        |      |        |
|            | 1 pc 1 x 10A, MCCB, 1Phase  |                |        |      |        |
|            | 1 pc 1 x 16A, MCCB, 1Phase  | N <sup>o</sup> | 1.00   |      |        |
| <b>8.2</b> | <b>Light points</b>   |                |        |      |        |
|            | Flush mounted light points fed through PVC insulated conductors of 3x2.5 mm <sup>2</sup> inside PVC conduits of 16mm diameter, including junction boxes with covers insulating screw cap connectors.      | N <sup>o</sup> | 8.00   |      |        |
| <b>8.3</b> | <b>Extra Over Light Points for Flush Mounted Switch (Type Legrand or Equivalent)</b>  |                |        |      |        |
| a          | Flush mounting single switch  | No             | 4.00   |      |        |
| b          | Flush mounting double switch  | No             | 2.00   |      |        |
| c          | Flush mounting Intermediate switch  | No             | 2.00   |      |        |
| <b>8.4</b> | <b>Flush Mounted Socket Outlet Points</b>   |                |        |      |        |
|            | 10-16A/1P socket outlet points fed through PVC insulated conductors of 3x2.5mm <sup>2</sup> inside PVC conduit of 16mm diameter including junction boxes with covers and insulating screw cap connectors. | No             | 10.00  |      |        |
| <b>8.5</b> | <b>Flush Mounted Socket Outlets with Earth Contact (Type Legrand or Equivalent)</b>   |                |        |      |        |
| a          | Flush mounting twin socket outlet of 10-16A/1P,   | No             | 6.00   |      |        |
| b          | Flush mounting socket outlet of 25A/1P,   | No             | 4.00   |      |        |
| <b>8.6</b> | <b>Light Fittings and Lamps</b>   |                |        |      |        |



| Item No     | Description  | Unit | Qty  | Rate | Amount |
|-------------|--|------|------|------|--------|
|             | Connected and tested including lamps and accessories complete, all as specified or described.  |      |      |      |        |
| a           | PELSAN 5012.908 With 2 x 'TLD' 36W/840 Fluorescent Lamp  | No   | 8.00 |      |        |
| <b>8.7</b>  | <b>CONDUITS AND PIPES</b>  |      |      |      |        |
| a           | PVC of 50mm diameter.  | ml   | 6.00 |      |        |
| <b>8.8</b>  | <b>MANHOLE</b>   |      |      |      |        |
| a           | Manhole in brick or masonry ,Size 800 * 800 * 700mm  | No.  | 1.00 |      |        |
| <b>8.9</b>  | <b>FEEDER CABLES</b>   |      |      |      |        |
|             | PVC sheathed PVC insulated power cable type NYY 0.6/1KV or equivalent to be drawn inside cement or PVC conduit (measured elsewhere)  |      |      |      |        |
|             | (a) 1 * 10 mm <sup>2</sup>   | ml   | 6.00 |      |        |
| <b>8.10</b> | <b>Earthing</b>  |      |      |      |        |
| a           | Earthing system: materials, supplied, installed, connected and tested, complete, including conductors, busbar, straps, test points, connectors, and all necessary accessories, complete all as specified and / or shown on drawings. | Ls   | 1.00 |      |        |
|             | <b>Total Carried to Summary Eth.Birr</b>   |      |      |      |        |

## Cloth Washing & Drying Area

| Item No | Description                      | Total Amount |
|---------|----------------------------------|--------------|
|         | <b>A. Sub Structure</b>          |              |
|         |                                  |              |
| A.1     | <b>Excavation and Earth Work</b> |              |
| A.2     | <b>Concrete Work</b>             |              |
| A.3     | <b>Masonry Work</b>              |              |
|         |                                  |              |
|         | <b>Sub Total A</b>               |              |
|         |                                  |              |
|         | <b>B.Super Structure</b>         |              |
|         |                                  |              |
| B.1     | <b>Concrete Work</b>             |              |
| B.2     | <b>Block work</b>                |              |
| B.3     | <b>Roofing</b>                   |              |
| B.4     | <b>Carpentry and Joinery</b>     |              |
| B.5     | <b>Metal Work</b>                |              |
| B.6     | <b>Finishing</b>                 |              |
| B.7     | <b>Painting</b>                  |              |
| B.8     | <b>Sanitary Installation</b>     |              |
| B.9     | <b>Electrical Installation</b>   |              |
|         |                                  |              |
|         | <b>Sub Total B</b>               |              |
|         |                                  |              |
|         | <b>Grand Total A + B</b>         |              |

| Item No | Description   | Unit           | Qty   | Rate | Amount |
|---------|---|----------------|-------|------|--------|
|         | <b>A. Sub Structure</b>   |                |       |      |        |
|         | <b>1. Excavation and Earth Work</b>   |                |       |      |        |
| 1.1     | Trench excavation in ordinary soil up to a depth of 100 cm including backfill & all other Related earth works | m <sup>3</sup> | 26.44 |      |        |
| 1.2     | 25 cm thick Hard CoreHardcore   | m <sup>2</sup> | 41.41 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |       |      |        |
|         | <b>2. Concrete Work</b>   |                |       |      |        |
| 2.1     | <b>C-5 lean concrete Under</b>  |                |       |      |        |
| 2.1.1   | Grade beam  | m <sup>2</sup> | 3.66  |      |        |
| 2.2     | <b>C-25 concrete In</b>   |                |       |      |        |
| 2.2.1   | Grade Beam  | m <sup>3</sup> | 1.47  |      |        |
| 2.2.2   | Floor slab  | m <sup>2</sup> | 62    |      |        |
| 2.3     | <b>Formwork</b>   |                |       |      |        |
| 2.3.1   | Grade Beam  | m <sup>2</sup> | 23.45 |      |        |
| 2.4     | <b>Reinforcement</b>  |                |       |      |        |
| 2.4.1   | Diameter 8 mm def. re Bars  | kg             | 157.5 |      |        |
| 2.4.2   | Diameter 12 mm def. re Bars   | kg             | 247.5 |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |       |      |        |
|         | <b>3. Masonry Work</b>  |                |       |      |        |
| 3.1     | 50cm thick Stone Masonry below NGL  | m <sup>3</sup> | 5.99  |      |        |
| 3.2     | 50cm thick Stone Masonry above NGL  | m <sup>3</sup> | 5.00  |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |                |       |      |        |

| Item No    | Description   | Unit           | Qty    | Rate | Amount |
|------------|---|----------------|--------|------|--------|
|            | <b>B. Super Structure</b>   |                |        |      |        |
|            | <b>1.Concrete Work</b>  |                |        |      |        |
| <b>1.1</b> | <b>C-25 concrete</b>  |                |        |      |        |
| 1.1.1      | Elevation column  | m <sup>3</sup> | 0.4    |      |        |
| 1.1.2      | Top tie Beams   | m <sup>3</sup> | 1.1    |      |        |
|            |   |                |        |      |        |
| <b>1.2</b> | <b>Formwork</b>   |                |        |      |        |
| 1.2.1      | For elevation column  | m <sup>2</sup> | 8.00   |      |        |
| 1.2.2      | For beams   | m <sup>2</sup> | 14.4   |      |        |
|            |   |                |        |      |        |
| <b>1.3</b> | <b>Reinforcement</b>  |                |        |      |        |
| 1.3.1      | Diameter 8 mm def. Re Bars  | kg             | 112    |      |        |
| 1.3.2      | Diameter 12 mm def. Re Bars                                       | kg             | 130    |      |        |
|            |   |                |        |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>                          |                |        |      |        |
|            |   |                |        |      |        |
|            | <b>3.Roofing</b>  |                |        |      |        |
|            |   |                |        |      |        |
| 3.1        | EGA 300/ 0.4mm ,Roof Measured in Horizontal Projection            | m <sup>2</sup> | 33.138 |      |        |
|            |   |                |        |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>                          |                |        |      |        |
|            |   |                |        |      |        |
|            | <b>4.Carpentry and Joinery</b>                                    |                |        |      |        |
|            |   |                |        |      |        |
| <b>4.1</b> | <b>Truss Members</b>  |                |        |      |        |
|            |   |                |        |      |        |
| a          | Diam. 10-12 cm thick eucalyptus truss upper and lower chord       | ml             | 45     |      |        |
| b          | Diam. 8-10 cm thick eucalyptus truss diagonal and vertical member | ml             | 65     |      |        |
| c          | Diam. 5x 7cm thick best quality sawn pine purlin                  | ml             | 42.5   |      |        |
|            |   |                |        |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>                          |                |        |      |        |
|            |   |                |        |      |        |
| <b>6.2</b> | <b>Floor finishing</b>  |                |        |      |        |
| a          | 48mm thick Cement Screed  | m <sup>2</sup> | 14.70  |      |        |
|            |   |                |        |      |        |
|            | <b>Total Carried to Summary Eth.Birr</b>                          |                |        |      |        |

| Item No | Description   | Unit | Qty   | Rate | Amount |
|---------|---|------|-------|------|--------|
|         |   |      |       |      |        |
|         | <b>8.Sanitary Works</b>   |      |       |      |        |
|         |   |      |       |      |        |
|         | <b>Water Supply Pipes</b>   |      |       |      |        |
| 8.1     | Supply, lay and connect Polypropylene pipe (PPR) pressure pipes with metallic insert  |      |       |      |        |
| a       | Outer diameter 20mm   | ml   | 8.00  |      |        |
| b       | Outer diameter 25mm   | ml   | 6.00  |      |        |
| 8.2     | <b>Angle Valve</b>  |      |       |      |        |
| a       | Supply and fix chrome plated service (angle) valves   | N°   | 10.00 |      |        |
|         | <b>Gate Valve</b>   |      |       |      |        |
| 8.3     | Supply and fix gate valve made of bronze,complete with all accessories  |      |       |      |        |
| a       | Internal dia.20mm (25mm)  | pcs  | 1.00  |      |        |
| b       | Internal dia.16mm (20mm)  | pcs  | 4.00  |      |        |
|         |   |      |       |      |        |
|         | <b>Waste Drainage System</b>  |      |       |      |        |
|         |   |      |       |      |        |
| 8.4     | Supply lay and connect PVC pipes for foul drainage. The quality of material should satisfy the requirements of British Standard |      |       |      |        |
| a       | Internal dia. 50 mm   | ml   | 14.00 |      |        |
| b       | Internal dia. 100 mm  | ml   | 16.00 |      |        |
|         |   |      |       |      |        |
| 8.5     | <b>Sanitary Appliances</b>  |      |       |      |        |
|         |   |      |       |      |        |
|         | <b>Cloth Wash Basin</b>   |      |       |      |        |
| a       | Cast in Situ Cloth Wash Basin , made from RC & Covered With Ceramic Tiles As per the Detail design                              | N°   | 4.00  |      |        |
|         |   |      |       |      |        |
|         | <b>Total Carried to Summary Eth.Birr</b>  |      |       |      |        |
|         |   |      |       |      |        |