

## Detailed Estimate

**OD/361/3451/119434/385311/00077304 : INSTALLATION OF GYM AND PLAY EQUIPMENT RURAL KHELPAIDIA**

**Block : Joda, Gram Panchayat : Ansekala**

**Created By:Kartikeswar Naik**

| <b>1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift</b>   |             |       |       |       |                            |       |                                  |           |
|---|-------------|-------|-------|-------|----------------------------|-------|----------------------------------|-----------|
| Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge |             |       |       |       |                            |       |                                  |           |
| Sl No   | Description | No    | L     | B     | D                          | CF    | Quantity                         | Deduction |
| i   | FOUNDATION  | 4.000 | 6.080 | 0.450 | 0.450                      | 0.000 | 4.925                            | -         |
| ii  | FOUNDATION  | 4.000 | 4.560 | 0.450 | 0.450                      | 0.000 | 3.694                            | -         |
| iii   | WALL        | 2.000 | 5.160 | 0.450 | 0.450                      | 0.000 | 2.090                            | -         |
| iv  | wall        | 2.000 | 3.640 | 0.450 | 0.450                      | 0.000 | 1.474                            | -         |
| v   | WALL        | 2.000 | 4.560 | 0.450 | 0.450                      | 0.000 | 1.847                            | -         |
| <b>Total Quantity</b>   |             |       |       |       | <b>14.0292 cum (cum)</b>   |       | <b>14.0292 Cum (Cubic Meter)</b> |           |
| <b>Amount</b>   |             |       |       |       | <b>14.0292 X 240.77592</b> |       | <b>3377.89</b>                   |           |
| <b>2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed</b>   |             |       |       |       |                            |       |                                  |           |
| Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.  |             |       |       |       |                            |       |                                  |           |
| Sl No   | Description | No    | L     | B     | D                          | CF    | Quantity                         | Deduction |
| i   | FOUNDATION  | 4.000 | 6.080 | 0.450 | 0.100                      | 0.000 | 1.094                            | -         |
| ii  | FOUNDATION  | 4.000 | 4.560 | 0.450 | 0.100                      | 0.000 | 0.821                            | -         |
| iii   | WALL        | 2.000 | 5.160 | 0.450 | 0.100                      | 0.000 | 0.464                            | -         |
| iv  | wall        | 2.000 | 3.640 | 0.450 | 0.100                      | 0.000 | 0.328                            | -         |
| v   | WALL        | 2.000 | 4.560 | 0.450 | 0.100                      | 0.000 | 0.410                            | -         |

|                |           |       |       |       |                           |       |                            |   |
|----------------|-----------|-------|-------|-------|---------------------------|-------|----------------------------|---|
| vi             | PLAY AREA | 1.000 | 5.160 | 3.640 | 0.450                     | 0.000 | 8.452                      | - |
| vii            | GYM AREA  | 1.000 | 5.820 | 4.300 | 0.450                     | 0.000 | 11.262                     | - |
| Total Quantity |           |       |       |       | 22.83138 cum (cum)        |       | 22.83138 Cum (Cubic Meter) |   |
| Amount         |           |       |       |       | 22.83138 X<br>1777.865832 |       | 40591.13                   |   |

### 3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal

Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.

| Sl No          | Description | No    | L     | B     | D                         | CF    | Quantity                 | Deduction |
|----------------|-------------|-------|-------|-------|---------------------------|-------|--------------------------|-----------|
| i              | FOUNDATION  | 4.000 | 6.080 | 0.450 | 0.100                     | 0.000 | 1.094                    | -         |
| ii             | FOUNDATION  | 4.000 | 4.560 | 0.450 | 0.100                     | 0.000 | 0.821                    | -         |
| iii            | WALL        | 2.000 | 5.160 | 0.450 | 0.100                     | 0.000 | 0.464                    | -         |
| iv             | wall        | 2.000 | 3.640 | 0.450 | 0.100                     | 0.000 | 0.328                    | -         |
| v              | WALL        | 2.000 | 4.560 | 0.450 | 0.100                     | 0.000 | 0.410                    | -         |
| Total Quantity |             |       |       |       | 3.1176 cum (cum)          |       | 3.1176 Cum (Cubic Meter) |           |
| Amount         |             |       |       |       | 3.1176 X<br>6863.98018182 |       | 21399.14                 |           |

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

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

| Sl No | Description | No    | L     | B     | D     | CF    | Quantity | Deduction |
|-------|-------------|-------|-------|-------|-------|-------|----------|-----------|
| i     | FOUNDATION  | 4.000 | 6.080 | 0.250 | 0.910 | 0.000 | 5.533    | -         |
| ii    | FOUNDATION  | 4.000 | 4.560 | 0.250 | 0.910 | 0.000 | 4.150    | -         |
| iii   | WALL        | 2.000 | 5.160 | 0.250 | 0.910 | 0.000 | 2.348    | -         |

|   |             |       |       |       |                             |       |                           |           |
|---|-------------|-------|-------|-------|-----------------------------|-------|---------------------------|-----------|
| iv  | wall        | 2.000 | 3.640 | 0.250 | 0.910                       | 0.000 | 1.656                     | -         |
| v   | WALL        | 2.000 | 4.560 | 0.250 | 0.950                       | 0.000 | 2.166                     | -         |
| Total Quantity  |             |       |       |       | 15.8524 cum (cum)           |       | 15.8524 Cum (Cubic Meter) |           |
| Amount  |             |       |       |       | 15.8524 X<br>5486.366497976 |       | 86972.08                  |           |
| <b>5. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b>  |             |       |       |       |                             |       |                           |           |
| 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge. |             |       |       |       |                             |       |                           |           |
| SI No   | Description | No    | L     | B     | D                           | CF    | Quantity                  | Deduction |
| i   | WALL        | 4.000 | 6.080 | 0.000 | 0.300                       | 0.000 | 7.296                     | -         |
| ii  | wall        | 4.000 | 4.560 | 0.000 | 0.300                       | 0.000 | 5.472                     | -         |
| Total Quantity  |             |       |       |       | 12.768 Sqm (Sqm)            |       | 12.768 Sqm (Square Meter) |           |
| Amount  |             |       |       |       | 12.768 X<br>264.461772794   |       | 3376.65                   |           |
| <b>6. Plastering (AR1004) : 12mm thick cement plster (1:6) over Brick work in inside</b>  |             |       |       |       |                             |       |                           |           |
| 12mm thick cement plster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.        |             |       |       |       |                             |       |                           |           |
| SI No   | Description | No    | L     | B     | D                           | CF    | Quantity                  | Deduction |
| i   | wall        | 4.000 | 6.080 | 0.000 | 0.300                       | 0.000 | 7.296                     | -         |
| ii  | wall        | 4.000 | 4.560 | 0.000 | 0.300                       | 0.000 | 5.472                     | -         |
| iii   | TOP         | 4.000 | 6.080 | 0.000 | 0.250                       | 0.000 | 6.080                     | -         |
| Total Quantity  |             |       |       |       | 18.848 Sqm (Sqm)            |       | 18.848 Sqm (Square Meter) |           |
| Amount  |             |       |       |       | 18.848 X<br>186.8156939764  |       | 3521.10                   |           |
| Total Amount  |             |       |       |       |                             |       | 159237.99                 |           |

| <b>Addition</b>  |                  |
|--|------------------|
| Provision for PH Work (+) @                                  |                  |
| Provision for EI Work (+) @                                  |                  |
| Provision for Contingency (+) @                              | 4000.00          |
| Display Citizen Board (+) @                                  | 5000.00          |
| Any Other Lumpsum (+) @                                      | 231762.00        |
| Provision for survey investigation and quality control (+) @ |                  |
| <b>Total Addition</b>  | <b>240762.00</b> |
| <b>Grand Net Total Amount</b>                                | <b>399999.99</b> |

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