

अधीक्षक अभियंता  
नगर पालिक निगम  
कोरबा (छ.ग.)

**Date-Time Detail(s)**

| Seq.<br>No. | Nagar Nigam Stage | Contractor Stage                | Start      |       | Expiry     |       | Remarks        |
|-------------|-------------------|---------------------------------|------------|-------|------------|-------|----------------|
|             |                   |                                 | Date       | Time  | Date       | Time  |                |
| 1           | Release Tender    |                                 | 27.06.2025 | 15.30 | 27.06.2025 | 15.30 | Release Tender |
| 2           |                   | Bid Submission                  | 27.06.2025 | 15.30 | 21.07.2025 | 17.30 |                |
| 3           |                   | Physical Document<br>Submission | 27.06.2025 | 15.30 | 23.07.2025 | 15.00 |                |
| 4           | Tender Open       |                                 | 23.07.2025 | 16.00 | --         | --    |                |

  
**EXECUTIVE ENGINEER  
KORBA (CG)**

For, Commissioner Korba (C.G.)



# OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

## DETAILED ESTIMATE

Name of work:- Construction of 13 Nos New Aanganbadi Bhawan at Kosabadi zone, Municipal Corporation Korba Area.

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

| S. N. | SOR Ref. | ITEM DESCRIPTION                                                                                                                                                                                                                                       | NO | L     | B     | D/H   | QTY   | UNIT | RATE   | AMOUNT   |
|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|-------|-------|-------|------|--------|----------|
| 1     | 1.1      | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of |    |       |       |       |       |      |        |          |
|       |          | column                                                                                                                                                                                                                                                 | 8  | 1.50  | 1.50  | 1.50  | 27.00 |      |        |          |
|       |          | wall                                                                                                                                                                                                                                                   | 5  | 1.30  | 1.30  | 1.50  | 12.68 |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 2  | 1.20  | 1.20  | 1.20  | 3.46  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 3  | 12.05 | 0.40  | 0.40  | 5.78  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 3  | 6.30  | 0.40  | 0.40  | 3.02  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 3  | 3.75  | 0.40  | 0.40  | 1.80  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 1  | 5.85  | 0.40  | 0.40  | 0.94  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 1  | 1.80  | 0.40  | 0.40  | 0.29  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 3  | 2.60  | 0.40  | 0.30  | 0.94  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 1  | 3.50  | 0.40  | 0.30  | 0.42  |      |        |          |
|       |          | septic tank                                                                                                                                                                                                                                            | 1  | 3.00  | 2.40  | 1.80  | 12.96 |      |        |          |
|       |          | pipe line drainage                                                                                                                                                                                                                                     | 1  | 13.00 | 0.40  | 0.40  | 2.08  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        |    |       |       | Total | 71.36 | Cum  | 185.00 | 13201.42 |
| 2     | 2.1      | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels for                                                                                          |    |       |       |       |       |      |        |          |
|       | 1        | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level                                                                                                                        |    |       |       |       |       |      |        |          |
|       |          | column c1                                                                                                                                                                                                                                              | 8  | 4     | 1.30  | 0.30  | 12.48 |      |        |          |
|       |          | c2                                                                                                                                                                                                                                                     | 5  | 4     | 1.2   | 0.25  | 6.00  |      |        |          |
|       |          | c3                                                                                                                                                                                                                                                     | 2  | 4     | 1.1   | 0.25  | 2.20  |      |        |          |
|       |          | column c1                                                                                                                                                                                                                                              | 8  | 4     | 0.30  | 1.10  | 10.56 |      |        |          |
|       |          | c2                                                                                                                                                                                                                                                     | 5  | 1     | 1     | 1.1   | 5.50  |      |        |          |
|       |          | c3                                                                                                                                                                                                                                                     | 2  | 1     | 0.8   | 1     | 1.60  |      |        |          |
|       |          | plinth beam                                                                                                                                                                                                                                            | 3  | 2     | 13.25 | 0.30  | 23.85 |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 3  | 2     | 4.50  | 0.30  | 8.10  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 2  | 2     | 3.75  | 0.30  | 4.50  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 1  | 2     | 1.80  | 0.30  | 1.08  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        |    |       |       | Total | 75.87 | Sqm  | 139.00 | 10545.93 |
|       | 5        | Columns, Pillars, Piers and likes- rectangular or square in shape                                                                                                                                                                                      |    |       |       |       |       |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 8  | 1.20  |       | 2.90  | 27.84 |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 5  | 1     |       | 2.9   | 14.5  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 2  | 0.8   |       | 2.9   | 4.64  |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 5  | 1.2   |       | 0.6   | 3.6   |      |        |          |
|       |          |                                                                                                                                                                                                                                                        | 5  | 1.00  |       | 0.60  | 3     |      |        |          |

| SOR<br>Ref. | ITEM DESCRIPTION                                                                                                                                                                                                   | NO | L     | B    | D/H   | QTY    | UNIT | RATE   | AMOUNT   |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-------|--------|------|--------|----------|
|             |                                                                                                                                                                                                                    | 2  | 0.80  |      | 0.60  | 0.96   |      |        |          |
|             |                                                                                                                                                                                                                    |    |       |      | Total | 54.54  | sqm  | 297.00 | 16198.38 |
| 7           | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)                                                                                                                    |    |       |      |       |        |      |        |          |
|             | slab                                                                                                                                                                                                               | 1  | 13.25 | 8.75 |       | 115.94 |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 13.25 | 0.13 |       | 3.45   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 8.75  | 0.13 |       | 2.28   |      |        |          |
|             | chajja                                                                                                                                                                                                             | 1  | 13.25 | 0.60 |       | 7.95   |      |        |          |
|             |                                                                                                                                                                                                                    | 10 | 2.40  | 0.60 |       | 14.40  |      |        |          |
|             |                                                                                                                                                                                                                    | -1 | 5.80  | 1.80 |       | -10.44 |      |        |          |
|             |                                                                                                                                                                                                                    | 1  | 3.50  | 2.60 |       | 9.10   |      |        |          |
|             |                                                                                                                                                                                                                    |    |       |      | Total | 142.67 | sqm  | 235.00 | 33526.86 |
| 8           | Beams, lintels, cantilevers & walls                                                                                                                                                                                |    |       |      |       |        |      |        |          |
|             | intel beam                                                                                                                                                                                                         | 4  | 13.25 |      | 0.20  | 10.60  |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 4.50  |      | 0.20  | 1.80   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 4.35  |      | 0.20  | 1.74   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 5.80  |      | 0.30  | 3.48   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 8.75  |      | 0.20  | 3.50   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 6.90  |      | 0.20  | 2.76   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 4.50  |      | 0.20  | 1.80   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 4.05  |      | 0.20  | 1.62   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 1.80  |      | 0.20  | 0.72   |      |        |          |
|             |                                                                                                                                                                                                                    | 4  | 2.80  |      | 0.20  | 2.24   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 3.50  |      | 0.20  | 1.40   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 2.40  |      | 0.20  | 0.96   |      |        |          |
|             | slab beam                                                                                                                                                                                                          | 4  | 13.25 |      | 0.30  | 15.90  |      |        |          |
|             |                                                                                                                                                                                                                    | 6  | 4.50  |      | 0.30  | 8.10   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 4.35  |      | 0.20  | 1.74   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 5.80  |      | 0.30  | 3.48   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 6.90  |      | 0.20  | 2.76   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 4.50  |      | 0.20  | 1.80   |      |        |          |
|             |                                                                                                                                                                                                                    | 4  | 3.05  |      | 0.20  | 2.44   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 1.80  |      | 0.20  | 0.72   |      |        |          |
|             |                                                                                                                                                                                                                    | 4  | 2.80  |      | 0.20  | 2.24   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 3.50  |      | 0.20  | 1.40   |      |        |          |
|             |                                                                                                                                                                                                                    | 2  | 2.40  |      | 0.20  | 0.96   |      |        |          |
|             | latken                                                                                                                                                                                                             | 2  | 4.50  |      | 0.30  | 2.70   |      |        |          |
|             |                                                                                                                                                                                                                    | 1  | 4.50  |      | 0.30  | 1.35   |      |        |          |
|             |                                                                                                                                                                                                                    |    |       |      | Total | 78.21  | sqm  | 202.00 | 15798.42 |
| 3           | 1.18 Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. |    |       |      |       |        |      |        |          |
|             | column                                                                                                                                                                                                             | 8  | 1.50  | 1.50 | 0.10  | 1.80   |      |        |          |
|             | wall                                                                                                                                                                                                               | 8  | 1.50  | 1.00 | 0.10  | 0.00   |      |        |          |

| R<br>of | ITEM DESCRIPTION                                                                                                                                                                                                 | NO | L     | B    | D/H   | QTY   | UNIT | RATE    | AMOUNT   |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-------|-------|------|---------|----------|
|         |                                                                                                                                                                                                                  | 2  | 1.20  | 1.20 | 0.10  | 0.29  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 12.05 | 0.40 | 0.10  | 1.45  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 6.30  | 0.40 | 0.10  | 0.76  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 3.75  | 0.40 | 0.10  | 0.45  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 5.85  | 0.40 | 0.10  | 0.23  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 1.80  | 0.40 | 0.10  | 0.07  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 2.60  | 0.40 | 0.10  | 0.31  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 3.50  | 0.40 | 0.10  | 0.14  |      |         |          |
|         | septic tank                                                                                                                                                                                                      | 1  | 3.00  | 2.40 | 0.10  | 0.72  |      |         |          |
|         | pipe line drainage                                                                                                                                                                                               | 1  | 13.00 | 0.40 | 0.10  | 0.52  |      |         |          |
|         | floor                                                                                                                                                                                                            | 1  | 9.00  | 4.50 | 0.20  | 8.10  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 5.85  | 4.50 | 0.20  | 5.27  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 4.50  | 3.75 | 0.20  | 3.38  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 4.30  | 4.85 | 0.20  | 4.17  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 5.80  | 1.80 | 0.20  | 2.09  |      |         |          |
|         |                                                                                                                                                                                                                  |    |       |      | Total | 30.58 | Cum  | 371.00  | 11345.92 |
| 4       | 3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.                                         |    |       |      |       |       |      |         |          |
|         | 3 1:4:8 (1 cement : 4coarse sand : 8 graded stone aggregate 40mm nominal size).                                                                                                                                  |    |       |      |       |       |      |         |          |
|         | column                                                                                                                                                                                                           | 8  | 1.40  | 1.40 | 0.10  | 1.57  |      |         |          |
|         | wall                                                                                                                                                                                                             | 5  | 1.30  | 1.30 | 0.10  | 0.85  |      |         |          |
|         |                                                                                                                                                                                                                  | 2  | 1.20  | 1.20 | 0.10  | 0.29  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 12.05 | 0.40 | 0.10  | 1.45  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 6.30  | 0.40 | 0.10  | 0.76  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 3.75  | 0.40 | 0.10  | 0.45  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 5.85  | 0.40 | 0.10  | 0.23  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 1.80  | 0.40 | 0.10  | 0.07  |      |         |          |
|         |                                                                                                                                                                                                                  | 3  | 2.60  | 0.40 | 0.10  | 0.31  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 3.50  | 0.40 | 0.10  | 0.14  |      |         |          |
|         | septic tank                                                                                                                                                                                                      | 1  | 3.00  | 2.40 | 0.10  | 0.72  |      |         |          |
|         | pipe line drainage                                                                                                                                                                                               | 1  | 13.00 | 0.40 | 0.10  | 0.52  |      |         |          |
|         | floor                                                                                                                                                                                                            | 1  | 9.00  | 4.50 | 0.10  | 4.05  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 5.85  | 4.50 | 0.10  | 2.63  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 4.50  | 3.75 | 0.10  | 1.69  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 4.30  | 4.85 | 0.10  | 2.09  |      |         |          |
|         |                                                                                                                                                                                                                  | 1  | 5.80  | 1.80 | 0.10  | 1.04  |      |         |          |
|         |                                                                                                                                                                                                                  |    |       |      | Total | 18.85 | Cum  | 2659.00 | 50123.48 |
| 5       | 1.17 Filling from available excavated stuff (Excluding rock) in trenches, plinth,sides of foundation etc. in layers not exceeding 20cm in depthconsolidating each deposited layer by ramming and watering with a |    |       |      |       |       |      |         |          |
|         |                                                                                                                                                                                                                  |    |       |      | Total | 71.36 | Cum  | 65.00   | 4638.34  |

| OR<br>Ref. | ITEM DESCRIPTION                                                                                                                                                    | NO | L     | B    | D/H   | QTY   | UNIT | RATE    | AMOUNT    |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-------|-------|------|---------|-----------|
| 22         | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form |    |       |      |       |       |      |         |           |
| 1          | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).                                                                                    |    |       |      |       |       |      |         |           |
|            | column c1                                                                                                                                                           | 8  | 1.30  | 1.30 | 0.30  | 4.06  |      |         |           |
|            |                                                                                                                                                                     | 5  | 1.20  | 1.20 | 0.25  | 1.80  |      |         |           |
|            |                                                                                                                                                                     | 15 | 0.60  | 0.60 | 0.40  | 2.16  |      |         |           |
|            | column below plinth                                                                                                                                                 | 8  | 0.30  | 0.30 | 1.20  | 0.86  |      |         |           |
|            |                                                                                                                                                                     | 5  | 0.20  | 0.30 | 1.10  | 0.33  |      |         |           |
|            |                                                                                                                                                                     | 2  | 0.20  | 0.30 | 1.00  | 0.12  |      |         |           |
|            | plinth beam                                                                                                                                                         | 3  | 13.25 | 0.30 | 0.30  | 3.58  |      |         |           |
|            |                                                                                                                                                                     | 3  | 4.50  | 0.30 | 0.30  | 1.22  |      |         |           |
|            |                                                                                                                                                                     | 2  | 3.75  | 0.30 | 0.30  | 0.68  |      |         |           |
|            |                                                                                                                                                                     | 1  | 1.80  | 0.20 | 0.30  | 0.11  |      |         |           |
|            | column up to slab                                                                                                                                                   | 8  | 0.30  | 0.30 | 2.90  | 2.09  |      |         |           |
|            |                                                                                                                                                                     | 5  | 0.20  | 0.30 | 2.90  | 0.87  |      |         |           |
|            |                                                                                                                                                                     | 2  | 0.20  | 0.20 | 2.90  | 0.23  |      |         |           |
|            | lintel beam                                                                                                                                                         | 2  | 13.25 | 0.20 | 0.20  | 1.06  |      |         |           |
|            |                                                                                                                                                                     | 1  | 4.50  | 0.20 | 0.20  | 0.18  |      |         |           |
|            |                                                                                                                                                                     | 1  | 4.35  | 0.20 | 0.20  | 0.17  |      |         |           |
|            |                                                                                                                                                                     | 1  | 5.80  | 0.20 | 0.30  | 0.35  |      |         |           |
|            |                                                                                                                                                                     | 1  | 8.75  | 0.20 | 0.20  | 0.35  |      |         |           |
|            |                                                                                                                                                                     | 1  | 6.90  | 0.20 | 0.20  | 0.28  |      |         |           |
|            |                                                                                                                                                                     | 1  | 4.50  | 0.20 | 0.20  | 0.18  |      |         |           |
|            |                                                                                                                                                                     | 1  | 3.05  | 0.20 | 0.20  | 0.12  |      |         |           |
|            |                                                                                                                                                                     | 1  | 1.80  | 0.20 | 0.20  | 0.07  |      |         |           |
|            |                                                                                                                                                                     | 2  | 2.80  | 0.20 | 0.20  | 0.22  |      |         |           |
|            |                                                                                                                                                                     | 1  | 3.50  | 0.20 | 0.20  | 0.14  |      |         |           |
|            |                                                                                                                                                                     | 1  | 2.40  | 0.20 | 0.20  | 0.10  |      |         |           |
|            | slab beam                                                                                                                                                           | 2  | 13.25 | 0.20 | 0.30  | 1.59  |      |         |           |
|            |                                                                                                                                                                     | 3  | 4.50  | 0.20 | 0.30  | 0.81  |      |         |           |
|            |                                                                                                                                                                     | 1  | 4.35  | 0.20 | 0.20  | 0.17  |      |         |           |
|            |                                                                                                                                                                     | 1  | 5.80  | 0.20 | 0.30  | 0.35  |      |         |           |
|            |                                                                                                                                                                     | 1  | 6.90  | 0.20 | 0.20  | 0.28  |      |         |           |
|            |                                                                                                                                                                     | 1  | 4.50  | 0.20 | 0.20  | 0.18  |      |         |           |
|            |                                                                                                                                                                     | 2  | 3.05  | 0.20 | 0.20  | 0.24  |      |         |           |
|            |                                                                                                                                                                     | 1  | 1.80  | 0.20 | 0.20  | 0.07  |      |         |           |
|            |                                                                                                                                                                     | 2  | 2.80  | 0.20 | 0.20  | 0.22  |      |         |           |
|            |                                                                                                                                                                     | 1  | 3.50  | 0.20 | 0.20  | 0.14  |      |         |           |
|            |                                                                                                                                                                     | 1  | 2.40  | 0.20 | 0.20  | 0.10  |      |         |           |
|            | latken                                                                                                                                                              | 1  | 4.50  | 0.30 | 0.30  | 0.41  |      |         |           |
|            | slab                                                                                                                                                                | 1  | 13.25 | 8.75 | 0.13  | 14.49 |      |         |           |
|            |                                                                                                                                                                     | 1  | 3.50  | 2.80 | 0.13  | 1.23  |      |         |           |
|            |                                                                                                                                                                     | -1 | 5.80  | 1.80 | 0.13  | -1.31 |      |         |           |
|            |                                                                                                                                                                     | 1  | 7.00  | 0.60 | 0.10  | 0.42  |      |         |           |
|            |                                                                                                                                                                     | 8  | 1.80  | 0.60 | 0.10  | 0.86  |      |         |           |
|            |                                                                                                                                                                     |    |       |      | Total | 41.57 | Cum  | 4163.00 | 173067.10 |

|     | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                        | NO  | L     | B    | D/H   | QTY     | UNIT | RATE    | AMOUNT    |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|------|-------|---------|------|---------|-----------|
|     | Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all                                                                                                                            |     |       |      |       |         |      |         |           |
| 1   | Thermo-Mechanically treated bars                                                                                                                                                                                                                                                                                                        | 100 | 41.57 |      |       | 4157.27 |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         |     |       |      | Total | 4157.27 | kg   | 54.50   | 226571.15 |
| 7.5 | Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:                                                                                                                                                                                             |     |       |      |       |         |      |         |           |
| 3   | Cement Mortar 1:5 (1 cement : 5 coarse sand)                                                                                                                                                                                                                                                                                            |     |       |      |       |         |      |         |           |
|     | plinth beam                                                                                                                                                                                                                                                                                                                             | 3   | 12.05 | 0.20 | 0.30  | 2.17    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 3   | 6.30  | 0.20 | 0.30  | 1.13    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 3   | 3.75  | 0.20 | 0.30  | 0.68    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 5.85  | 0.20 | 0.30  | 0.35    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 1.80  | 0.20 | 0.30  | 0.11    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 3   | 2.60  | 0.20 | 0.30  | 0.47    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 3.50  | 0.20 | 0.30  | 0.21    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 2   | 3.00  | 0.20 | 2.10  | 2.52    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 3   | 2.40  | 0.20 | 2.10  | 3.02    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         |     |       |      | Total | 10.66   | Cum  | 3263.00 | 34780.32  |
|     | super structure 7.5.3+7.6                                                                                                                                                                                                                                                                                                               |     |       |      |       |         |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 2   | 12.05 | 0.20 | 2.90  | 13.98   |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 3   | 4.50  | 0.20 | 2.90  | 7.83    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 2   | 4.05  | 0.20 | 2.90  | 4.70    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 5.80  | 0.20 | 2.10  | 2.44    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 1.80  | 0.20 | 2.10  | 0.76    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 2   | 2.60  | 0.20 | 2.90  | 3.02    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 3.50  | 0.20 | 2.90  | 2.03    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 2.40  | 0.10 | 2.90  | 0.70    |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | -10 | 1.50  | 0.20 | 1.20  | -3.60   |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | -2  | 1.50  | 0.20 | 2.10  | -1.26   |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | -1  | 0.90  | 0.20 | 2.10  | -0.38   |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         |     |       |      | Total | 30.20   | Cum  | 3384.00 | 102203.57 |
| 10  | 7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:                                                                                                                                                                                            |     |       |      |       | 0.00    | Cum  | 121     |           |
| 12  | 12.12 Providing and laying vitrified floor tiles with soluble salt printing, of size 600x600mm with water absorption less than 0.5% and conforming to IS : 15622 of approved make, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete. |     |       |      |       |         |      |         |           |
|     | 1 Size 600x600mm                                                                                                                                                                                                                                                                                                                        |     |       |      |       |         |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | 1   | 13.25 | 8.75 |       | 115.94  |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         | -1  | 5.80  | 1.60 |       | -9.28   |      |         |           |
|     |                                                                                                                                                                                                                                                                                                                                         |     |       |      | Total | 106.66  | sqm  | 963.00  | 102711.17 |

|    | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                              | NO | L     | B    | D/H   | QTY    | UNIT | RATE    | AMOUNT   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-------|--------|------|---------|----------|
|    | Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with matching pigment |    |       |      |       |        |      |         |          |
| 2  | Size above 200x300mm                                                                                                                                                                                                                                                                                                          |    |       |      |       |        |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 4  | 2.40  |      | 1.50  | 14.40  |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 2  | 3.40  |      | 1.50  | 10.20  |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 1  | 7.40  |      | 0.60  | 4.44   |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               |    |       |      | Total | 29.04  | sqm  | 646.00  | 18759.84 |
| 4  | 12.9 Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment                                                              |    |       |      |       |        |      |         |          |
|    | 1 Size above 300x300mm                                                                                                                                                                                                                                                                                                        | 1  | 3.50  | 2.40 |       | 8.40   |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               |    |       |      | Total | 8.40   | sqm  | 728.00  | 6115.20  |
| 15 | 12.45 15 mm thick Table rubbed polished Granite stone slab flooring laid over 20mm (Average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing etc. complete. (Area of slab should be 0.50 sqm and above)                                   |    |       |      |       |        |      |         |          |
|    | 1 Granite stone black                                                                                                                                                                                                                                                                                                         |    |       |      |       |        |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 1  | 7.00  | 0.60 |       | 4.20   |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 1  | 7.00  | 0.15 |       | 1.05   |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               |    |       |      | Total | 5.25   | sqm  | 2646.00 | 13891.50 |
| 16 | 9.15 Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars welded to steel frame of windows etc. including applying a priming coat welded to frame with all necessary fitting complete including applying a priming of red oxide zinc chromate primer                                |    |       |      |       |        |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 8  | 30.00 |      |       | 240.00 |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               |    |       |      | Total | 240.00 | Kg   | 67.50   | 16200.00 |
| 18 | 11.1 Providing and making 6mm thick cement plaster of mix                                                                                                                                                                                                                                                                     |    |       |      |       |        |      |         |          |
|    | 2 In Cement mortar 1:3 (1 cement : 3 fine sand)                                                                                                                                                                                                                                                                               |    |       |      |       |        |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 1  | 13.25 | 8.75 |       | 115.9  |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               |    |       |      |       | -9.3   |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               |    |       |      | Total | 106.66 | sqm  | 93.00   | 9919.15  |
| 19 | 11.2 Providing and making 12mm thick cement plaster of mix                                                                                                                                                                                                                                                                    |    |       |      |       |        |      |         |          |
|    | 4 In Cement Mortar 1:5 (1 cement : 5 fine sand)                                                                                                                                                                                                                                                                               |    |       |      |       |        |      |         |          |
|    |                                                                                                                                                                                                                                                                                                                               | 1  | 13.25 |      | 4.5   | 59.63  |      |         |          |

| R  | ITEM DESCRIPTION                                                                                                                                                                                                             | NO | L     | B | D/H   | QTY    | UNIT | RATE   | AMOUNT   |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|-------|--------|------|--------|----------|
|    |                                                                                                                                                                                                                              | 1  | 3.5   |   | 4.5   | 15.75  |      |        |          |
|    |                                                                                                                                                                                                                              | 1  | 8.75  |   | 4.5   | 39.38  |      |        |          |
|    |                                                                                                                                                                                                                              | 1  | 4.5   |   | 4.5   | 20.25  |      |        |          |
|    |                                                                                                                                                                                                                              | 1  | 6.9   |   | 4.5   | 31.05  |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 166.05 | sqm  | 96.50  | 16023.83 |
| 20 | 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:                                                                                                                   |    |       |   |       |        |      |        |          |
|    | 4 In Cement Mortar 1:5 (1 cement : 5 fine sand)                                                                                                                                                                              |    |       |   |       |        |      |        |          |
|    |                                                                                                                                                                                                                              | 3  | 13.25 |   | 3.30  | 131.18 |      |        |          |
|    |                                                                                                                                                                                                                              | 4  | 4.50  |   | 3.30  | 59.40  |      |        |          |
|    |                                                                                                                                                                                                                              | 3  | 4.05  |   | 3.30  | 40.10  |      |        |          |
|    |                                                                                                                                                                                                                              | 2  | 5.80  |   | 2.10  | 24.36  |      |        |          |
|    |                                                                                                                                                                                                                              | 2  | 1.80  |   | 2.10  | 7.56   |      |        |          |
|    |                                                                                                                                                                                                                              | 4  | 2.40  |   | 2.10  | 20.16  |      |        |          |
|    |                                                                                                                                                                                                                              | 2  | 3.50  |   | 2.10  | 14.70  |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 227.45 | sqm  | 113.00 | 25701.85 |
| 21 | 14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even |    |       |   |       | 420.16 |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 420.16 | sqm  | 94.50  | 39704.88 |
| 22 | 14.1 Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.                                                                                                                    |    |       |   |       | 304.11 | sqm  | 44.50  | 13532.78 |
|    | 1 On new work (Two or more coats)                                                                                                                                                                                            |    |       |   |       |        |      |        |          |
|    | 14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per anufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc complete         |    |       |   |       |        |      |        |          |
|    | On new work (Two or more coats)                                                                                                                                                                                              |    |       |   |       |        |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   |       | 166.05 | sqm  | 56.00  | 9298.80  |
| 26 | 8.138 Providing and fixing stainless steel door latch with 12mm rod, 2.5mm thick flap, necessary stainless steel screws etc complete                                                                                         |    |       |   |       |        |      |        |          |
|    | 2 250mm                                                                                                                                                                                                                      |    |       |   |       | 8.00   |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 8.00   | nos  | 85.00  | 680.00   |
| 27 | 8.139 Providing and fixing stainless steel tower bolts (Barrel type) with necessary stainless steel screws etc complete                                                                                                      |    |       |   |       |        |      |        |          |
|    | 3 150x10mm                                                                                                                                                                                                                   |    |       |   |       |        |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 5.00   | nos  | 57.50  | 287.50   |
| 28 | 8.141 Providing and fixing Stainless steel "D" shape door handles made of 10mm dia rod with necessary stainless steel screws etc complete                                                                                    |    |       |   |       |        |      |        |          |
|    | 8.141.2 150 mm                                                                                                                                                                                                               |    |       |   |       |        |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 5.00   | nos  | 49.50  | 247.50   |
| 29 | 8.58 Providing and fixing bright finished brass butt hinges with brass polished MS screws complete:                                                                                                                          |    |       |   |       |        |      |        |          |
|    | 8.58.1 125x85x5.50 mm (Heavy                                                                                                                                                                                                 |    |       |   |       |        |      |        |          |
|    |                                                                                                                                                                                                                              |    |       |   | Total | 4.00   | nos  | 245.00 | 980.00   |

|       | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                    | NO | L    | B    | D/H   | QTY    | UNIT | RATE    | AMOUNT   |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|-------|--------|------|---------|----------|
|       | Providing and fixing stainless steel door stopper with necessary stainless steel screws complete.                                                                                                                                                                                                                                                                                                                   |    |      |      |       |        |      |         |          |
| 1     | Single                                                                                                                                                                                                                                                                                                                                                                                                              |    |      |      | Total | 3.00   | nos  | 47.00   | 141.00   |
| 14.22 | Painting on new work (two or more coats) to give an even shade with:                                                                                                                                                                                                                                                                                                                                                |    |      |      |       |        |      |         |          |
| 2     | Premium synthetic enamel paint                                                                                                                                                                                                                                                                                                                                                                                      | 10 | 1.50 | 1.20 |       | 18.00  |      |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                     | 5  | 1.00 | 1.20 |       | 6.00   |      |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                     | 2  | 3.00 | 2.40 |       | 14.40  |      |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                     |    |      |      | Total | 38.40  | sqm  | 47.00   | 1804.80  |
| 8.14  | Providing and fixing flush door shutters, core of block board construction with frame of first class hard wood and well matched first class Indian teak ply veneering on one face and commercial ply veneering on the other face of the shutter with vertical grains, cross                                                                                                                                         |    |      |      |       |        |      |         |          |
|       | boards and face veneering                                                                                                                                                                                                                                                                                                                                                                                           |    |      |      |       |        |      |         |          |
|       | 14.1 40 mm. thick (single leaf)                                                                                                                                                                                                                                                                                                                                                                                     | 4  | 1.00 |      | 2.1   | 8.40   | sqm  | 2034.00 | 17085.60 |
| 39    | 8.149 Providing and fixing factory made PVC door shutters of specified thickness made of styles and rails of a UPVC hollow section of specified size 59x24 mm and wall thickness 2 mm $\pm$ 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws |    |      |      |       |        |      |         |          |
|       | 2 8.149.1 24 mm thick door shutters                                                                                                                                                                                                                                                                                                                                                                                 | 2  | 0.80 | 2.10 |       | 3.36   |      |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                     |    |      |      | Total | 3.36   | sqm  | 2399.00 | 8060.64  |
|       | Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2mm and braced with flat iron diagonals 20x5mm size with top and bottom rails of T-iron 40x40x6mm with 38mm steel pulleys complete with bolts, nuts, locking arrangement stoppers, handles including applying a priming coat of red oxide zinc chromate primer.                                                            |    |      |      |       |        |      |         |          |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                     | 1  | 2.80 |      | 2.1   | 5.88   | sqm  | 3330.00 | 19580.40 |
| 16    | 9.2 Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.                                                                                                                                                          |    |      |      |       | 120.00 | kg   | 66.00   | 7920.00  |



# OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

## DETAILED ESTIMATE

Name of work :- Sanitation Work Aanganbadi Bhawan

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

| S. N. | SOR Ref. | ITEM DESCRIPTION                                                                                                                                                                                                                                                                           | NO | L     | B | D/H | QTY   | UNIT  | RATE    | AMOUNT  |
|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|-----|-------|-------|---------|---------|
|       |          | <b>PART - C - SANITAION WORK</b>                                                                                                                                                                                                                                                           |    |       |   |     |       |       |         |         |
| 1     | 18.76    | Providing and fixing on wall face UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc   |    |       |   |     |       |       |         |         |
|       | 1        | 75 mm dia pipe.                                                                                                                                                                                                                                                                            | 1  | 18.00 |   |     | 18.00 | metre | 182.00  | 3276.00 |
|       |          |                                                                                                                                                                                                                                                                                            |    |       |   |     | 15.00 | metre | 267.00  | 4005.00 |
|       | 2        | 110 mm dia pipe.                                                                                                                                                                                                                                                                           | 1  | 15.00 |   |     | 2     | each  | 2899.00 | 5798.00 |
| 2     | 18.1     | Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good     |    |       |   |     |       |       |         |         |
|       | 3        | White Orissa pattern W.C. pan of size 580x440 mm                                                                                                                                                                                                                                           |    |       |   |     | 2     | each  | 1605.00 | 3210.00 |
| 3     | 18.17    | Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required                                                                                         |    |       |   |     |       |       |         |         |
|       | 1        | Coloured Size 550x450 mm                                                                                                                                                                                                                                                                   |    |       |   |     |       |       |         |         |
| 6     | 18.77    | Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion                 |    |       |   |     |       |       |         |         |
|       | 1        | Tee/ Tee with door/ Bend 45°/ Bend                                                                                                                                                                                                                                                         |    |       |   |     |       |       |         |         |
|       | 1        | 75 mm                                                                                                                                                                                                                                                                                      |    |       |   |     | 3.00  | each  | 113.00  | 339.00  |
|       | 2        | 110 mm                                                                                                                                                                                                                                                                                     |    |       |   |     | 3.00  | each  | 154.00  | 462.00  |
|       | 3        | Vent cover                                                                                                                                                                                                                                                                                 |    |       |   |     |       |       |         |         |
|       | 1        | 75 mm                                                                                                                                                                                                                                                                                      |    |       |   |     | 3.00  | each  | 34.00   | 102.00  |
|       | 6        | Nahani trap 110x75mm                                                                                                                                                                                                                                                                       |    |       |   |     | 6.00  | each  | 90.50   | 543.00  |
| 7     | 19.4     | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC |    |       |   |     |       |       |         |         |
|       | 1        | 15 mm nominal outer dia .Pipes.                                                                                                                                                                                                                                                            |    |       |   |     | 30.00 | metre | 110.00  | 3300.00 |
|       | 3        | 25 mm nominal outer dia .Pipes.                                                                                                                                                                                                                                                            |    |       |   |     | 12.00 | metre | 199.00  | 2388.00 |

| SOR<br>REL. | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NO | L | B | D/H | QTY     | UNIT  | RATE    | AMOUNT   |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|---|-----|---------|-------|---------|----------|
|             | 32 mm nominal outer dia .Pipes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |   |   |     | 12.00   | metre | 271.00  | 3252.00  |
| 19.13       | Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |   |   |     |         |       |         |          |
| 1           | Bib cock (250 grams)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |   |   |     | 4.00    | each  | 185.00  | 740.00   |
| 9 19.14     | Providing and fixing 15 mm nominal bore C.P. brass fittings of approved                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |   |   |     |         |       |         |          |
|             | Stop cock (concealed) (600 grams)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |   |   |     | 2.00    | each  | 494.00  | 988.00   |
|             | Piller Cock (400 grams)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |   |   |     | 2.00    | each  | 398.00  | 796.00   |
|             | Long nose bib cock (500 grams)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |   |   |     | 2.00    | each  | 455.00  | 910.00   |
|             | Two way bib cock (800 grams)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |   |   |     | 2.00    | each  | 708.00  | 1416.00  |
|             | Shower rose (revolving type)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |   |   |     | 2.00    | each  | 269.00  | 538.00   |
| 10 19.15    | Providing and fixing stainless steel drain jali of approved make/quality.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |   |   |     | 6.00    | each  | 51.00   | 306.00   |
| 11 19.16    | Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end):                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |   |   |     |         |       |         |          |
|             | 1 25 mm nominal bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |   |   |     | 2.00    | each  | 436.00  | 872.00   |
|             | 2 32 mm nominal bore.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |   |   |     | 3.00    | each  | 510.00  | 1530.00  |
| 12 19.51    | Constructing masonry Chamber 60x60x75 cm, inside with modular well burnt clay bricks of 35 kg/ cm <sup>2</sup> in cement mortar 1:4 (1 cement : 4 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar |    |   |   |     | 1.00    | each  | 4356.00 | 4356.00  |
| 14 19.42    | Providing and placing on terrace (at all levels) polyethylene water storage tank ISI marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank                                                                                                                                                                                                                                                                          |    |   |   |     | 1000.00 | litre | 7.30    | 7300.00  |
| TOTAL =     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |   |   |     |         |       |         | 46427.00 |

  
**Sub Engineer**  
 Municipal Corporation  
 Korba (C.G.)

  
**Asstt. Engineer**  
 Municipal Corporation  
 Korba (C.G.)

# OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

## DETAILED ESTIMATE

Name of work :- Internal Electrification Aanganbadl Bhawan

As per SOR: Schedule of rates public works department [PWD ELECTRICAL-01-06-2020] PART- B

| S. N. | SOR Ref. | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NO | L     | B | D/H | QTY    | UNIT  | RATE    | AMOUNT   |
|-------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|-----|--------|-------|---------|----------|
| 1     | 1.1      | Wiring for light/ fan/ exhaust fan / call bell point with 3x1.5 sqmm FRLS PVC insulated stranded copper conductor wire for phase, neutral and earth in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) with 5/6 amp piano type switch, phenolic laminated sheet, suitable size M.S. box etc as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)                                                                                                                                                                                                                                                                                                                |    |       |   |     |        |       |         |          |
|       | 1        | Short Point                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15 |       |   |     | 15     | Point | 240.00  | 3600.00  |
|       | 2        | Medium Point                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 15 |       |   |     | 15     | Point | 376.00  | 5640.00  |
| 2     | 1.3      | Extra for providing and fixing light plug point on board in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) point wiring with piano type 3 pin 5/6 amp socket outlet and 5/6 amp switch including cost of phenolic laminated sheet and M.S. box etc. as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)                                                                                                                                                                                                                                                                                                                                                       | 2  |       |   |     | 2.00   | Point | 87.00   | 174.00   |
| 3     | 1.13     | Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, wire in concealed FRLS PVC conduit (heavy duty, thickness of pipe should be 2 mm) as per specification and IS: 694 (2010), IS: 9537 (2000 Part 5)                                                                                                                                                                                                                                                                                                                                                                                                                         |    |       |   |     |        |       |         |          |
|       | 4.13.2   | 3 X 2.5 sq. mm in 20mm conduit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3  | 40.00 |   |     | 120.00 | Metre | 111.00  | 13320.00 |
|       |          | 3 X 4 sq. mm in 25mm conduit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3  | 30.00 |   |     | 90.00  | Metre | 145.00  | 13050.00 |
| 4     | 6.1      | Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, |    |       |   |     |        |       |         |          |
|       | 3        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4  |       |   |     | 4      | Each  | 2662.00 | 10648.00 |

| SOR | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                            | NO | L    | B    | D/H  | QTY  | UNIT | RATE    | AMOUNT   |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|------|------|------|---------|----------|
|     | Supplying, installation, testing and commissioning of following sizes heavy duty (continuous running) 1400 rpm exhaust fan in existing opening in wall including earthing etc. complete as per specification. P.F. should be greater than 0.9                                                                                                               |    |      |      |      |      |      |         |          |
|     | 450 mm sweep                                                                                                                                                                                                                                                                                                                                                | 2  |      |      |      | 6    | EACH | 3976.00 | 23856.00 |
| 5   | 6.15 Supplying, installation, testing and commissioning of following LED fitting (luminaries) Panel Light in round/ square shape complete with electronic driver heat sink capacitor and all other accessories on surface/ in false ceiling etc. as per specification and P.F. should be greater than 0.9. LED chip efficacy ratio $\geq 100$ lumens /watt. |    |      |      |      |      |      |         |          |
|     | 8.22.5 12 Watt                                                                                                                                                                                                                                                                                                                                              | 9  |      |      |      | 9.00 | Each | 588.00  | 5292.00  |
|     | 8.22.6 15 Watt                                                                                                                                                                                                                                                                                                                                              | 9  |      |      |      | 9.00 | Each | 679.00  | 6111.00  |
| 6   | 5.1 Supplying and fixing following piano type switch, socket, other accessories on the existing switch box/ cover including connections etc. as per specification                                                                                                                                                                                           |    |      |      |      |      |      |         |          |
|     | 5.1.12 Fan regulator Electronic, step type moving all round                                                                                                                                                                                                                                                                                                 | 4  |      |      |      | 4.00 | Each | 130.00  | 520.00   |
|     | 5.1.13 Ceiling rose 3 pin 5 amps                                                                                                                                                                                                                                                                                                                            | 4  |      |      |      | 4.00 | Each | 32.00   | 128.00   |
|     | 5.1.15 Batten/ angle holder                                                                                                                                                                                                                                                                                                                                 | 4  |      |      |      | 4.00 | Each | 38.00   | 152.00   |
| 7   | 9.1 Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as per specification, IS/ IEC: 60947-2 and Ics = 100 % Icu.                                                                                                                        |    |      |      |      |      |      |         |          |
|     | 11.17.23 pole MCCB, 25-63A, Fixed Thermal Release, 10KA                                                                                                                                                                                                                                                                                                     | 3  |      |      |      | 3.00 | Each | 1483.00 | 4449.00  |
|     | 19.17 Supplying and fixing PVC water tight terminal box of approved make and brand with detachable gland plate in bottom, hinged front openable cover, rubber gasket, having 1 Nos 4way connector and 1 No SPMCB inside the box for cable connection, fixed to pole with 2 Nos clamp made from 25x3mm GI flat with 2 No GI nuts                             |    |      |      |      |      |      |         |          |
|     | 300x200x125 mm for 3 phase                                                                                                                                                                                                                                                                                                                                  | 1  |      |      |      | 1.00 | each | 989.00  | 989.00   |
|     | Earth work in all type soil except soft rock / hard rock with all lead and 1.5 metre lift, dressing, stacking excavated strata including refilling of excavated soil in trench / pit to ground level complete as per                                                                                                                                        | 1  | 1.50 | 1.50 | 1.50 | 3.38 | cum  | 162.00  | 546.75   |

| SOR<br>Ref. | ITEM DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                           | NO | L     | B | D/H | QTY   | UNIT  | RATE    | AMOUNT   |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---|-----|-------|-------|---------|----------|
|             | Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as per specification and IS Code 3042.                                                                                                                                                                                                            | 1  |       |   |     | 1.00  | each  | 3243.00 | 3243.00  |
|             | Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe, with charcoal and salt as per specification and IS Code 3043.                                                                                                                                                                                                            |    |       |   |     | 1.00  | each  | 3734.00 | 3734.00  |
| 15.2        | Supplying and laying following sizes additional one number, FRLS PVC insulated /XLPE, PVC sheathed, steel armoured, aluminium conductor power cable of 1.1 KV grade direct in ground as in the same trench in one tier horizontal formation at a depth not less than 40 cm and upto 90 cm including excavation, sand cushioning, protective covering and refilling the trench etc as per specification, IS: 1554 (1988, Part 1) / IS: 7098 (1988, Part 1). |    |       |   |     |       |       |         |          |
|             | 2 x 4 sq. Mm                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1  | 20.00 |   |     | 20.00 | Metre | 175.00  | 3500.00  |
| (b)TOTAL =  |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |       |   |     |       |       |         | 98952.75 |

  
**Sub Engineer**  
 Municipal Corporation  
 Korba (C.G.)

  
**Asstt. Engineer**  
 Municipal Corporation  
 Korba (C.G.)

# OFFICE OF THE MUNICIPAL CORPORATION, KORBA (C.G.)

## DETAILED ESTIMATE

Name of work:- Construction of Boundary wall Aanganbadi Bhawan

As per SOR: Schedule of rates public works department [PWD BUILDING-01-01-2015]

| S. N. | SOR Ref. | ITEM DESCRIPTION                                                                                                                                                                                                                                       | NO | L     | B    | D/H   | QTY   | UNIT | RATE    | AMOUNT  |
|-------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|------|-------|-------|------|---------|---------|
| 1     | 1.1      | Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of |    |       |      |       |       |      |         |         |
|       | 1        | In all types of soil                                                                                                                                                                                                                                   | 6  | 1.20  | 1.20 | 1.20  | 10.37 |      |         |         |
|       |          | column                                                                                                                                                                                                                                                 |    |       |      | Total | 10.37 | Cum  | 185.00  | 1918.08 |
| 2     | 2.1      | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels for                                                                                          |    |       |      |       |       |      |         |         |
|       | 1        | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level                                                                                                                        | 6  | 4     | 1.10 | 0.20  | 5.28  |      |         |         |
|       |          | plinth beam                                                                                                                                                                                                                                            | 2  | 21    |      | 0.20  | 8.40  |      |         |         |
|       |          |                                                                                                                                                                                                                                                        |    |       |      | Total | 13.68 | Sqm  | 139.00  | 1901.52 |
|       | 5        | Columns, Pillars, Piers and likes-rectangular or square in shape                                                                                                                                                                                       | 6  | 0.80  |      | 1.2   | 5.76  |      |         |         |
|       |          |                                                                                                                                                                                                                                                        |    |       |      | Total | 5.76  | sqm  | 297.00  | 1710.72 |
| 3     | 1.18     | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc.                                          |    |       |      |       |       |      |         |         |
|       |          | column                                                                                                                                                                                                                                                 | 6  | 1.20  | 1.20 | 0.10  | 0.86  |      |         |         |
|       |          | below plinth                                                                                                                                                                                                                                           | 1  | 21.00 | 0.30 | 0.10  | 0.63  |      |         |         |
|       |          |                                                                                                                                                                                                                                                        |    |       |      | Total | 1.49  | Cum  | 371.00  | 554.27  |
| 4     | 3.1      | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.                                                                                   |    |       |      |       |       |      |         |         |
|       | 3        | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm                                                                                                                                                                                        |    |       |      |       |       |      |         |         |
|       |          | column                                                                                                                                                                                                                                                 | 6  | 1.20  | 1.20 | 0.10  | 0.86  |      |         |         |
|       |          | below plinth                                                                                                                                                                                                                                           | 1  | 21.00 | 0.30 | 0.10  | 0.63  |      |         |         |
|       |          |                                                                                                                                                                                                                                                        |    |       |      | Total | 1.49  | Cum  | 2659.00 | 3972.55 |
| 5     | 1.17     | Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a                                          |    |       |      |       |       |      |         |         |
|       |          |                                                                                                                                                                                                                                                        |    |       |      | Total | 52.00 | Cum  | 65.00   | 3380.00 |

| OR Ref. | ITEM DESCRIPTION                                                                                                                                                                                                  | NO | L     | B     | D/H   | QTY    | UNIT | RATE    | AMOUNT   |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|-------|-------|--------|------|---------|----------|
| 2       | Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form                                               |    |       |       |       |        |      |         |          |
| 1       | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).                                                                                                                                  |    |       |       |       |        |      |         |          |
|         | raft c1                                                                                                                                                                                                           | 6  | 1.10  | 1.10  | 0.20  | 1.45   |      |         |          |
|         |                                                                                                                                                                                                                   | 6  | 0.50  | 0.50  | 0.30  | 0.45   |      |         |          |
|         | column below plinth                                                                                                                                                                                               | 6  | 0.20  | 0.200 | 0.70  | 0.17   |      |         |          |
|         | plinth beam                                                                                                                                                                                                       | 2  | 21.00 | 0.200 | 0.20  | 1.68   |      |         |          |
|         |                                                                                                                                                                                                                   | 6  | 0.20  | 0.200 | 1.20  | 0.29   |      |         |          |
|         |                                                                                                                                                                                                                   |    |       |       | Total | 4.04   | Cum  | 4163.00 | 16810.19 |
| 7       | 3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all |    |       |       |       |        |      |         |          |
|         |                                                                                                                                                                                                                   | 70 |       | 4.04  |       | 282.66 |      |         |          |
|         |                                                                                                                                                                                                                   |    |       |       | Total | 282.66 | kg   | 54.50   | 15404.97 |
| 8       | 7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:                                                                   |    |       |       |       |        |      |         |          |
|         | 3 Cement Mortar 1:6 (1 cement : 6 coarse sand)                                                                                                                                                                    |    |       |       |       |        |      |         |          |
|         |                                                                                                                                                                                                                   | 1  | 21.00 | 0.20  | 0.20  | 0.84   |      |         |          |
|         |                                                                                                                                                                                                                   | 1  | 18.80 | 0.20  | 1.20  | 4.51   |      |         |          |
|         |                                                                                                                                                                                                                   |    |       |       | Total | 5.35   | Cum  | 3263.00 | 17463.58 |
|         |                                                                                                                                                                                                                   |    |       |       |       | 4.51   | Cum  | 121     | 545.95   |
| 9       | 7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:                                                                      |    |       |       |       |        |      |         |          |
| 10      | 3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.                                          |    |       |       |       |        |      |         |          |
|         | 5 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).                                                                                                                                |    |       |       |       |        |      |         |          |
|         |                                                                                                                                                                                                                   | 1  | 18.80 | 0.20  | 0.05  | 0.19   |      |         |          |
|         |                                                                                                                                                                                                                   |    |       |       | Total | 0.19   | Cum  | 4073.00 | 765.72   |
| 11      | 11.2 Providing and making 12mm thick cement plaster of mix                                                                                                                                                        |    |       |       |       |        |      |         |          |
|         | 4 In Cement Mortar 1:6 (1 cement : 6 fine sand)                                                                                                                                                                   |    |       |       |       |        |      |         |          |
|         |                                                                                                                                                                                                                   | 1  | 18.80 |       | 1.40  | 26.32  |      |         |          |
|         |                                                                                                                                                                                                                   |    |       |       | Total | 26.32  | sqm  | 91.50   | 2408.28  |
| 12      | 11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:                                                                                                        |    |       |       |       |        |      |         |          |
|         | 4 In Cement Mortar 1:6 (1 cement : 6 fine sand)                                                                                                                                                                   |    |       |       |       |        |      |         |          |
|         |                                                                                                                                                                                                                   | 1  | 18.80 |       | 1.40  | 26.32  |      |         |          |
|         |                                                                                                                                                                                                                   |    |       |       | Total | 26.32  | sqm  | 107.00  | 2816.24  |

| SR | ITEM DESCRIPTION                                                                                                                                                      | NO | L | B | D/H | QTY   | UNIT | RATE   | AMOUNT   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---|---|-----|-------|------|--------|----------|
| 14 | Painting exterior surface with SMOOTH exterior emulsion paint manufactured with the cow                                                                               |    |   |   |     | 52.64 | sqm  | 56.00  | 2947.84  |
| 1  | On new work (Two or more coats )                                                                                                                                      |    |   |   |     |       |      |        |          |
| 17 | 9.6 Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer |    |   |   |     |       |      |        |          |
|    | 9.6.1 In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.                                            |    |   |   |     |       |      |        |          |
|    | gate                                                                                                                                                                  |    |   |   |     | 90    | kg   | 70     | 6300     |
|    |                                                                                                                                                                       |    |   |   |     |       |      | TOTAL= | 78899.92 |

  
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 Korba (C.G.)

  
 Asstt. Engineer  
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