

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 250 / 2025

सिस्टम टेंडर नं. 173131

कोरबा दिनांक 04.08.2025

## ई-निविदा आमंत्रण सूचना

कार्यालय नगर पालिक निगम, कोरबा द्वारा लोक निर्माण विभाग एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से प्रमुख अभियंता लोक निर्माण विभाग, रायपुर द्वारा भवन कार्य हेतु दिनांक 01.01.2015 एवं विद्युत हेतु 01.06.2020 से प्रभावशील दर अनुसूची पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ शेड्यूल अनुसार प्रतिशत दर पर ई-प्रोच्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र Form-A में निविदा आमंत्रित की जाती है:-

1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि - 03.09.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 03.09.2025 सायंकाल 4.00 बजे से

| क्र. | कार्य का नाम   | प्राक्कलन राशि (लाख में) | धरोहर राशि (FDR/TDR) | कार्यावधि | निविदा प्रतिभागी शुल्क (डिमांड ड्राफ्ट) | ठेकेदार का वर्ग          | निविदा खुलने की तिथि |
|------|--|--------------------------|----------------------|-----------|---|--------------------------|----------------------|
| 1    | नगर पालिक निगम, कोरबा क्षेत्रांतर्गत कोरबा जोन अंतर्गत 08 शासकीय स्कूलों में किचन शेड का निर्माण कार्य। (जि.ख.न्या.मद) | 26.00                    | 19500/-              | 04 माह    | 1500/-                                  | वर्ग डी एवं प्रवर श्रेणी | 03.09.2025 से .....  |

शर्तें-

1. निविदा दरे प्रचलित सी.एस.आर.से कम या अधिक प्रतिशत दरों पर दिया जावे सी.एस.आर.के अंतर्गत के आयटमों पर पृथक से आयटम दरों का उल्लेख करने पर निविदा निरस्त मानी जावेगी।
2. जिन ठेकेदारों द्वारा नगर पालिक निगम (साडा) के किसी ठेके के कार्य में अनुबंध के अनुरूप कार्य न किया गया हो अथवा नगर पालिक निगम (साडा) के हित के विरुद्ध कार्य किया गया हो उन्हे निविदा भरने की पात्रता नहीं होगी।
3. इच्छुक ठेकेदारों को उचित वर्ग में पंजीयन की प्रमाणित प्रतिलिपि यदि साझेदारी फर्म हो तो उसका प्रमाण पत्र (पार्टनरशिप डीड) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र, पेन नम्बर, वैध जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि के FDR/TDR की प्रति ऑनलाईन अपलोड करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं धरोहर राशि FDR/TDR, शपथपत्र का स्कैन कापी ऑन लाईन रिस्टम पर अपलोड करना अनिवार्य होगा।
  - अमानत राशि का वैध FDR/TDR, निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट एवं निर्धारित प्रारूप में शपथ पत्र की मूल प्रति लिफाफा में कार्य का नाम एवं अन्य विवरण अंकित कर केवल स्पीड पोस्ट/रजिस्टर्ड डाक के माध्यम से आयुक्त, नगर पालिक निगम, कोरबा साकेत भवन, आई.टी.आई. चौक रामपुर कोसाबाड़ी पिन- 495677 कोरबा के पते पर भेजना होगा। निर्धारित तिथि को सायं 03:00 बजे के पश्चात् फिजिकल सबमिशन लिफाफा स्वीकार नहीं किया जायेगा।
  - निविदाकार को प्रत्येक निविदा में पंजीयन क्षमता के अंतर्गत वर्तमान में नगर निगम या अन्य विभागों में उनके द्वारा किये जा रहे कार्यों का विवरण राशि सहित मूलप्रति में निर्धारित प्रारूप में वैध शपथपत्र (राशि रु. 100/- नॉनज्यूडिशियल स्टाम्प) निविदा आमंत्रण दिनांक के पश्चात् का, निविदा क्रमांक एवं कार्य का नाम अंकित करना अनिवार्य होगा।
  - अमानत राशि का FDR/TDR एवं निविदा प्रतिभागी शुल्क का डिमांड ड्राफ्ट जो कि आयुक्त, नगर पालिक निगम, कोरबा के नाम पर देय हो प्रस्तुत करना अनिवार्य होगा।
4. सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं मरम्मत एवं संधारण मद को छोड़कर शेष कार्यों में 5 प्रतिशत परफार्मेंस सिक्यूरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी। सुरक्षा राशि एवं परफार्मेंस गारंटी राशि वापसी हेतु समयवधि की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयवधि में निर्माण कार्य की भौतिक स्थिति सही होने तथा सक्षम प्राधिकारी के संतुष्टि के आधार पर भुगतान किया जायेगा।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन (वर्तमान तक वैधता/Form- 5A) एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
6. निविदा में भाग लेने वाले ठेकेदारों को छ.ग. भवन और अन्य सन्निर्माण कर्मकार (नियोजन एवं सेवा शर्तों का विनियमन) अधिनियम 1996 एवं तदंतर्गत निर्धारित नियमों के तहत पंजीयन कराना आवश्यक होगा तथा निर्माण लागत का 1 प्रतिशत उपकर के रूप में प्रत्येक देयक से कटौती की जावेगी।
7. ईट से संबंधित निर्माण कार्यों में प्लाई ईश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
8. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
9. निविदा दरों असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एस.ओ.आर. एवं निविदा दर की अंतर की राशि के समतुल्य परफार्मेंस गारंटी के रूप में राष्ट्रीयकृत बैंक एफ.डी.आर., पोस्ट ऑफिस, टाईम डिपॉजिट अथवा एन.एस.सी. जो कि आयुक्त नगर पालिक निगम, कोरबा के नाम पर देय होगा जो मांग तिथि से 15 दिवस के भीतर जमा करना अनिवार्य होगा। उपरोक्त राशि समयवधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
10. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
11. निविदा प्रपत्र फार्म -ए की कंडिका 11 Price Adjustment (एस्कलेशन) देय नहीं होगा।
12. निविदा के संबंध में किसी प्रकार की विवाद होने की स्थिति में आयुक्त का निर्णय अंतिम एवं सर्वमान्य होगा।
13. निविदा स्वीकृत करने अथवा अस्वीकृत करने अथवा निरस्त करने का अधिकार नगर पालिक निगम के पास सुरक्षित रहेगा।
14. उपरोक्त निविदा सूचना की विस्तृत प्रति नगर पालिक निगम, कोरबा के साकेत भवन स्थित निर्माण शाखा से प्राप्त किये जा सकते हैं।
15. ठेकेदार द्वारा संपादित किए गए कार्यों के देयकों का भुगतान कार्य विशेष हेतु बजट आबंटन एवं राशि उपलब्ध होने पर किया जाएगा।
16. निविदा में सफल निविदाकार को ऐसे कार्य जिसकी अनुबंध राशि 10.00 लाख या उससे अधिक है, उनको प्रत्येक कार्यों हेतु पृथक से छ.ग. भवन और सन्निर्माण कर्मचार मण्डल का पंजीयन प्रमाण पत्र प्रस्तुत करना अनिवार्य होगा अन्यथा देयक भुगतान किया जाना संभव नहीं होगा।
17. कार्य क्रियान्वयन से संबंधित गुणवत्ता परीक्षण संबंधी रिपोर्ट पर होने वाले व्यय का वहन संबंधित ठेकेदार द्वारा किया जावेगा।
18. ठेकेदार को निर्माण कार्य के दौरान "निर्माण एवं अपशिष्ट प्रबंधन नियम 2016" में किये गए प्रावधानों का पालन करना अनिवार्य होगा।

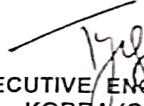
प्रतिलिपि-

प्रोग्रामर, संचालनालय, नगरीय प्रशासन एवं विकास विभाग, रायपुर को uad.cg.gov.in में अपलोड करने हेतु प्रेषित।

कार्यपालक 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    |                                 | 04.08.2025 | 15.30 | 04.08.2025 | 15.30 | Release Tender |
| 2           |                   | Bid Submission                  | 04.08.2025 | 15.30 | 29.08.2025 | 17.30 |                |
| 3           |                   | Physical Document<br>Submission | 04.08.2025 | 15.30 | 03.09.2025 | 15.00 |                |
| 4           | Tender Open       |                                 | 03.09.2025 | 16.00 | --         | --    |                |

  
EXECUTIVE ENGINEER  
KORBA (CG)  
For, Commissioner Korba (C.G.)



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

DETAIL ESTIMATE

Construction of Kitchen Shade At 07 Nos Govt. School Under Korba Zone, Nagar Palik  
(Part-A)

- Schedule of Rates Public Works Department [ PWD BUILDING 01-01-2015] and [ PWD ELECTRICAL 01-08-

|    | ITEM DESCRIPTION   | N  | L    | B    | H/D  | Qty   | Unit | Rate    | Amount  |
|----|--|----|------|------|------|-------|------|---------|---------|
| 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 |    |      |      |      |       |      |         |         |
|    | In All Types of soils.   |    |      |      |      |       |      |         |         |
|    | column   | 4  | 1.20 | 1.20 | 1.20 | 6.91  |      |         |         |
|    | below pb   | 2  | 3.40 | 0.30 | 0.30 | 0.81  |      |         |         |
|    |  | 2  | 1.70 | 0.30 | 0.30 | 0.31  |      |         |         |
|    |  | 2  | 3.70 | 0.30 | 0.30 | 0.67  |      |         |         |
|    | step   | 1  | 2.00 | 0.30 | 0.30 | 0.18  |      |         |         |
|    |  | 1  | 1.20 | 0.90 | 0.30 | 0.32  |      |         |         |
|    | deduction column   | -4 | 0.30 | 0.20 | 0.30 | -0.07 |      |         |         |
|    |  |    |      |      |      | 8.93  | CUM  | 185.00  | 1651.68 |
| 2  | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering, including   |    |      |      |      |       |      |         |         |
|    | column   | 4  | 1.20 | 1.20 | 0.10 | 0.58  |      |         |         |
|    | below pb   | 2  | 3.40 | 0.30 | 0.10 | 0.20  |      |         |         |
|    |  | 2  | 1.70 | 0.30 | 0.10 | 0.10  |      |         |         |
|    |  | 2  | 3.70 | 0.30 | 0.10 | 0.22  |      |         |         |
|    | step   | 1  | 2.00 | 0.30 | 0.10 | 0.06  |      |         |         |
|    |  | 1  | 1.20 | 0.90 | 0.10 | 0.11  |      |         |         |
|    | deduction column   | -4 | 0.30 | 0.20 | 0.10 | -0.02 |      |         |         |
|    |  |    |      |      |      | 1.25  | CUM  | 371.00  | 463.01  |
| 3  | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of  |    |      |      |      |       |      |         |         |
| i  | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone Aggregate 40mm nominal  |    |      |      |      |       |      |         |         |
|    | column   | 4  | 1.20 | 1.20 | 0.10 | 0.58  |      |         |         |
|    | below pb   | 2  | 3.40 | 0.30 | 0.10 | 0.20  |      |         |         |
|    |  | 2  | 1.70 | 0.30 | 0.10 | 0.10  |      |         |         |
|    |  | 2  | 3.70 | 0.30 | 0.10 | 0.22  |      |         |         |
|    | step   | 1  | 2.00 | 0.30 | 0.10 | 0.06  |      |         |         |
|    |  | 1  | 1.20 | 0.90 | 0.10 | 0.11  |      |         |         |
|    | deduction column   | -4 | 0.30 | 0.20 | 0.10 | -0.02 |      |         |         |
|    |  |    |      |      |      | 1.25  | CUM  | 2659.00 | 3318.43 |
| ii | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone Aggregate 20mm nominal  |    |      |      |      |       |      |         |         |
|    | Plinth Protection Work   | 2  | 3.40 | 1.00 | 0.10 | 0.68  |      |         |         |
|    |  | 2  | 3.70 | 1.00 | 0.10 | 0.74  |      |         |         |
|    |  |    |      |      |      | 1.42  | CUM  | 4073.00 | 5783.66 |



| DESCRIPTION  |   | N    | L     | B    | H/D    | Qty    | Unit  | Rate    | Amount   |
|--|---|------|-------|------|--------|--------|-------|---------|----------|
| Laying nominal mix concrete with crushed aggregate using concrete mixer in upto plinth level excluding cost of (1 cement : 1½ coarse sand : 3 red stone Aggregate 20 mm nominal size). |   |      |       |      |        |        |       |         |          |
|  |   | 4    | 1.00  | 1.00 | 0.30   | 1.20   |       |         |          |
|  | UPTO PLINTH   | 4    | 0.80  | 0.80 | 0.40   | 1.02   |       |         |          |
|  | PLINTH BEAM   | 4    | 0.30  | 0.20 | 1.00   | 0.24   |       |         |          |
|  | ABOVE PLINTH  | 1    | 14.20 | 0.20 | 0.30   | 0.85   |       |         |          |
|  | LINTEL BEAM   | 4    | 0.30  | 0.20 | 3.50   | 0.84   |       |         |          |
|  | CHAJJA  | 1    | 14.20 | 0.20 | 0.20   | 0.57   |       |         |          |
|  | PLATFORM  | 4    | 1.80  | 0.60 | 0.15   | 0.65   |       |         |          |
|  | SLAB BEAM   | 1    | 10.00 | 0.60 | 0.15   | 0.90   |       |         |          |
|  | SLAB  | 1    | 14.20 | 0.20 | 0.30   | 0.85   |       |         |          |
|  |   | 1    | 3.70  | 4.00 | 0.130  | 1.92   |       |         |          |
| 5  | Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth  |      |       |      |        | 9.05   | CUM   | 4163.00 | 37666.82 |
|  |   |      |       |      |        | 10.66  | CUM   | 97.50   | 1039.35  |
| 6  | 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 Thermo-Mechanically treated bars FE 415 | 9.05 |       |      | 100.00 | 904.80 | Kg    | 54.50   | 49311.60 |
| 7  | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal At All levels, for:   |      |       |      |        |        |       |         |          |
| a  | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and  | 4    | 1.00  | -    | 0.30   | 1.20   |       |         |          |
|  |   | 4    | 0.80  |      | 0.40   |        |       |         |          |
|  |   | 4    | 1.00  | -    | 1.00   | 4.00   |       |         |          |
|  |   | 2    | 14.20 |      | 0.30   | 8.52   |       |         |          |
|  |   |      |       |      |        | 13.72  | sqm   | 139.00  | 1907.08  |
| b  | Columns, Pillars, Piers and likes-rectangular or square in shape  | 4    | 1.00  |      | 3.50   | 14.00  |       |         |          |
|  |   |      |       |      |        | 14.00  | sqm   | 297.00  | 4158.00  |
| c  | Beams, lintels, cantilevers & walls   | 2    | 14.20 |      | 0.30   | 8.52   |       |         |          |
|  |   | 2    | 14.20 |      | 0.30   | 8.52   |       |         |          |
|  |   |      |       |      |        | 17.04  | sqm   | 202.00  | 3442.08  |
| d  | Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves  | 1    | 3.70  | 4.00 |        | 14.80  |       |         |          |
|  |   | 1    | 10.00 | 0.60 |        | 6.00   |       |         |          |
|  |   | 1    | 10.00 |      | 0.15   | 1.50   |       |         |          |
|  |   |      |       |      |        | 20.80  | sqm   | 235.00  | 4888.00  |
| e  | Edge of slab, breaks in floor and walls upto 200mm.   | 1    | 15.40 |      |        | 25.00  | metre | 34.00   | 850.00   |
| f  | Weather shade, chhajja, Cornices and mouldings  | 1    | 14.20 | 0.60 |        | 8.52   | sqm   | 294.00  | 2504.88  |



| DESCRIPTION   |  | N  | L     | B    | H/D   | Qty    | Unit | Rate    | Amount   |
|---|--|----|-------|------|-------|--------|------|---------|----------|
| modular fly-ash lime bricks<br>confirming to IS:12894-<br>designation 4.0 in<br>and plinth in:<br>Mortar 1:6 (1 cement : 6 coarse   |  | 1  | 14.20 | 0.30 | 0.40  | 1.70   |      |         |          |
|   |  | 1  | 14.20 | 0.20 | 2.10  | 5.98   |      |         |          |
| platform  |  | 1  | 14.20 | 0.20 | 0.90  | 2.58   |      |         |          |
| stair   |  | 1  | 10.00 | 0.20 | 0.60  | 1.20   |      |         |          |
|   |  | 3  | 2.00  | 0.30 | 0.15  | 0.27   |      |         |          |
| deduction   |  | 1  | 15.40 | 0.20 | 0.30  | 0.92   |      |         |          |
| DOOR  |  |    |       |      |       |        |      |         |          |
| WINDOW  |  | -1 | 1.20  | 0.20 | 2.10  | -0.50  |      |         |          |
| VENTILATOR  |  | -4 | 1.20  | 0.20 | 1.20  | -1.15  |      |         |          |
|   |  | -4 | 0.90  | 0.45 | 1.20  | -1.94  |      |         |          |
| Extra for brick work in superstructure<br>above plinth level for every floor or part<br>thereof in addition to rate for foundation  |  |    |       |      |       | 9.02   | CUM  | 3263.00 | 29425.73 |
|   |  |    |       |      |       | 9.44   |      |         |          |
|   |  |    |       |      |       | 9.44   | CUM  | 121.00  | 1142.72  |
| Providing and fixing steel door/ window<br>with M.S. sheet 1mm thick, frame of angle<br>iron, diagonal braces of angle/ flat iron of<br>suitable size, 3.00 mm M.S. gusset plates<br>at junctions and corners, all necessary<br>fittings complete including applying a<br>priming coat of red oxide zinc chromate |  |    |       |      |       |        |      |         |          |
| door  |  | 1  | 1.20  | 2.10 | 40.00 | 100.80 |      |         |          |
| window  |  | 4  | 1.20  | 1.20 | 40.00 | 230.40 |      |         |          |
|   |  |    |       |      |       | 331.20 | kg   | 75.00   | 24840.00 |
| Providing and fixing M.S. grill of approved<br>pattern made of M.S. flats or square or<br>round bars welded to steel frame of<br>windows etc. including applying a priming<br>coat welded to frame with all necessary<br>fitting complete including applying a<br>priming of red oxide zinc chromate primer       |  |    |       |      |       |        |      |         |          |
| window  |  | 3  | 1.20  | 1.20 | 20.00 | 86.40  |      |         |          |
|   |  | 4  | 0.60  | 0.45 | 15.00 | 16.20  |      |         |          |
|   |  |    |       |      |       | 102.60 | kg   | 67.50   | 6925.50  |
| Providing and making 12mm thick cement<br>plaster of mix:   |  |    |       |      |       |        |      |         |          |
| In Cement Mortar 1:6 (1 cement : 6 fine<br>sand)  |  | 1  | 14.20 |      | 3.20  | 45.44  | sqm  | 91.50   | 4157.76  |
| Providing and making 15mm thick cement<br>plaster on the rough side of single or half<br>brick wall of mix:   |  |    |       |      |       |        |      |         |          |
| In Cement Mortar 1:6 (1 cement : 6 fine<br>sand)  |  | 1  | 14.20 |      | 3.60  | 51.12  | sqm  | 107.00  | 5469.84  |
| Providing and applying 2mm thick ready<br>mix exterior grade approved make putty<br>(like Birla wall care, Alltek Superfine W/R<br>of (NCL), Asian, ICI, Nerolac, J.K. wall<br>putty) on walls to make the surface<br>smooth and even   |  |    |       |      |       | 96.56  | sqm  | 94.50   | 9124.92  |



|    | DESCRIPTION   | N | L     | B    | H/D  | Qty   | Unit | Rate    | Amount   |
|----|---|---|-------|------|------|-------|------|---------|----------|
|    | Painting with acrylic luxury (plastic) paint of required shade even shade.  |   |       |      |      |       |      |         |          |
|    | on new work (two or more coats)   |   |       |      |      |       |      |         |          |
|    | Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc.   |   |       |      |      | 45.44 | sqm  | 52.50   | 2385.60  |
|    | On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including  |   |       |      |      | 51.12 | sqm  | 56.00   | 2862.72  |
| 17 | Painting on new work (two or more coats) to give an even shade with   |   |       |      |      |       |      |         |          |
|    | Satin Synthetic Enamel Paint  | 2 | 1.20  | 2.10 |      | 5.04  |      |         |          |
|    |   | 4 | 1.00  | 2.10 |      | 8.40  |      |         |          |
|    |   | 3 | 1.50  | 1.20 |      | 5.40  |      |         |          |
|    |   | 4 | 1.20  | 1.20 |      | 5.76  |      |         |          |
|    |   | 4 | 0.60  | 0.45 |      | 1.08  |      |         |          |
|    |   |   |       |      |      | 25.68 | sqm  | 55.00   | 1412.40  |
| 18 | Providing and laying vitrified floor tiles with double charge/ multi charge printing with water absorption less than 0.5% and conforming to IS : 15622 of approved make in all colours and shades and size mentioned below (+/- 10mm), laid on 20mm thick cement mortar 1:4 (1 cement |   |       |      |      |       |      |         |          |
|    | Size 600x600mm  | 1 | 3.00  | 3.70 |      | 11.10 |      |         |          |
|    |   | 1 | 14.20 |      | 0.80 | 11.36 |      |         |          |
|    |   |   |       |      |      | 22.46 | sqm  | 963.00  | 21628.98 |
| 19 | 15mm thick Granite work (machine cut, table rubbed & mirror polished) for kitchen platform, vanity counters, window sills and similar locations of required size laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) including joints.                             |   |       |      |      |       |      |         |          |
|    | Granite stone black   | 1 | 10.00 | 0.60 |      | 6.00  |      |         |          |
|    |   | 1 | 10.00 | 0.15 |      | 1.50  |      |         |          |
|    |   |   |       |      |      | 7.50  | sqm  | 3279.00 | 24592.50 |
| 20 | 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  |   |       |      |      |       |      |         |          |
|    | Size upto 200x300mm   | 1 | 12.00 |      | 1.20 | 14.40 | sqm  | 587.00  | 8452.80  |
| 21 | 12.37Chequered precast cement concrete tiles 22mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shade of tile including cleaning of joint etc complete on 20 mm thick bed of cement mortar 1:4  |   |       |      |      |       |      |         |          |
|    | Medium shade using approximately. 50% white cement and 50% ordinary   | 3 | 7.00  | 0.30 |      | 6.30  |      |         |          |
|    |   | 3 | 7.00  |      | 0.15 | 3.15  |      |         |          |
|    |   |   |       |      |      | 9.45  | sqm  | 591.00  | 5584.95  |







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

**DETAIL ESTIMATE**

:- Construction of Kitchen Shade At 01 Nos Govt. School Under Korba Zone, Nagar Palik  
a. (Part-B)

:- Schedule of Rates Public Works Department [ PWD BUILDING 01-01-2015] and [ PWD  
ICAL 01-06-2020]

|    | ITEM DESCRIPTION  | N | L     | B    | H/D  | Qty   | Unit | Rate    | Amount   |
|----|---|---|-------|------|------|-------|------|---------|----------|
| 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 In All Types of soils. |   |       |      |      |       |      |         |          |
|    |   | 6 | 1.50  | 1.50 | 1.30 | 17.55 |      |         |          |
|    |   | 1 | 22.00 | 0.40 | 0.50 | 4.40  |      |         |          |
|    | Plinth Protection Work  | 2 | 6.00  | 1.00 | 0.20 | 2.40  |      |         |          |
|    |   | 2 | 4.50  | 1.00 | 0.20 | 1.80  |      |         |          |
|    |   |   |       |      |      | 26.15 | CUM  | 185.00  | 4837.75  |
| 2  | Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering, including  |   |       |      |      |       |      |         |          |
|    |   | 6 | 1.50  | 1.50 | 0.10 | 1.35  |      |         |          |
|    |   | 1 | 22.00 | 0.40 | 0.10 | 0.88  |      |         |          |
|    |   | 1 | 6.50  | 4.50 | 0.60 | 17.55 |      |         |          |
|    |   |   |       |      |      | 19.78 | CUM  | 371.00  | 7338.38  |
| 3  | Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of   |   |       |      |      |       |      |         |          |
| i  | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone Aggregate 40mm nominal   |   |       |      |      |       |      |         |          |
|    |   | 6 | 1.50  | 1.50 | 0.10 | 1.35  |      |         |          |
|    |   | 1 | 22.00 | 0.40 | 0.10 | 0.88  |      |         |          |
|    | Plinth Protection Work  | 2 | 6.00  | 1.00 | 0.10 | 1.20  |      |         |          |
|    |   | 2 | 4.50  | 1.00 | 0.10 | 0.90  |      |         |          |
|    |   | 1 | 6.50  | 4.50 | 0.10 | 2.93  |      |         |          |
|    |   |   |       |      |      | 7.26  | CUM  | 2659.00 | 19291.05 |
| ii | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone Aggregate 20mm nominal   |   |       |      |      |       |      |         |          |
|    | Plinth Protection Work  | 2 | 6.00  | 1.00 | 0.10 | 1.20  |      |         |          |
|    |   | 2 | 4.50  | 1.00 | 0.10 | 0.90  |      |         |          |
|    |   |   |       |      |      | 2.10  | CUM  | 4073.00 | 8553.30  |
| 4  | 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 work  |   |       |      |      |       |      |         |          |
|    | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone Aggregate 20 mm nominal  |   |       |      |      |       |      |         |          |
|    |   | 6 | 1.30  | 1.30 | 0.30 | 3.04  |      |         |          |
|    |   | 6 | 0.80  | 0.80 | 0.40 | 1.54  |      |         |          |
|    | UPTO PLINTH   | 6 | 0.30  | 0.20 | 1.00 | 0.36  |      |         |          |
|    | PLINTH BEAM   | 1 | 22.00 | 0.20 | 0.30 | 1.32  |      |         |          |
|    | ABOVE PLINTH  | 6 | 0.30  | 0.20 | 3.50 | 1.26  |      |         |          |



|   | DESCRIPTION   | N     | L     | B    | H/D   | Qty     | Unit  | Rate    | Amount   |
|---|---|-------|-------|------|-------|---------|-------|---------|----------|
|   |   | 1     | 32.00 | 0.20 | 0.30  | 1.92    |       |         |          |
|   |   | 4     | 1.80  | 0.60 | 0.15  | 0.65    |       |         |          |
|   | RM  | 1     | 12.00 | 0.60 | 0.15  | 1.08    |       |         |          |
|   | BEAM  | 1     | 32.00 | 0.20 | 0.30  | 1.92    |       |         |          |
|   |   | 1     | 7.20  | 5.20 | 0.130 | 4.87    |       |         |          |
|   |   |       |       |      |       | 17.95   | CUM   | 4163.00 | 74739.17 |
|   | Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth  |       |       |      |       | 10.44   | CUM   | 97.50   | 1017.43  |
| 6 | 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 Complete |       |       |      |       |         |       |         |          |
|   | Thermo-Mechanically treated bars FE 415   | 17.95 |       |      | 90.00 | 1615.79 | Kg    | 54.50   | 88060.45 |
| 7 | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal At All levels, for:   |       |       |      |       |         |       |         |          |
| a | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth   | 24    | 1.30  | -    | 0.30  | 9.36    |       |         |          |
|   |   | 24    | 0.80  |      | 0.40  |         |       |         |          |
|   |   | 6     | 1.00  | -    | 1.00  | 6.00    |       |         |          |
|   |   | 2     | 22.00 |      | 0.30  | 13.20   |       |         |          |
|   |   |       |       |      |       | 28.56   | sqm   | 139.00  | 3969.84  |
| b | Columns, Pillars, Piers and likes-rectangular or square in shape  |       |       |      |       |         |       |         |          |
|   |   | 6     | 1.00  |      | 3.50  | 21.00   |       |         |          |
|   |   |       |       |      |       | 21.00   | sqm   | 297.00  | 6237.00  |
| c | Beams, lintels, cantilevers & walls   | 2     | 32.00 |      | 0.30  | 19.20   |       |         |          |
|   |   | 2     | 32.00 |      | 0.30  | 19.20   |       |         |          |
|   |   |       |       |      |       | 38.40   | sqm   | 202.00  | 7756.80  |
| d | Suspended floors, roofs, access platform, balconies (plain surfaces) and  | 1     | 7.20  | 5.20 |       | 37.44   |       |         |          |
|   |   | 1     | 12.00 | 0.60 |       | 7.20    |       |         |          |
|   |   | 1     | 12.00 |      | 0.15  | 1.80    |       |         |          |
|   |   |       |       |      |       | 44.64   | sqm   | 235.00  | 10490.40 |
| e | Edge of slab, breaks in floor and walls upto 200mm.   | 1     | 25.00 |      |       | 25.00   | metre | 34.00   | 850.00   |
| f | Weather shade, chhajja, Cornices and mouldings  | 4     | 1.80  | 0.60 |       | 4.32    | sqm   | 294.00  | 1270.08  |
| 8 | Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:   |       |       |      |       |         |       |         |          |
|   | Cement Mortar 1:6 (1 cement : 6 coarse sand)  | 1     | 22.00 | 0.30 | 0.40  | 2.64    |       |         |          |
|   |   | 1     | 20.00 | 0.20 | 2.10  | 8.40    |       |         |          |
|   |   | 1     | 20.00 | 0.20 | 0.90  | 3.60    |       |         |          |
|   |   | 1     | 30.00 | 0.20 | 0.60  | 3.60    |       |         |          |
|   | platform  | 3     | 7.00  | 0.30 | 0.15  | 0.95    |       |         |          |
|   | stair   | 1     | 4.00  | 0.20 | 2.80  | 2.24    |       |         |          |
|   |   | 2     | 2.50  | 0.20 | 2.80  | 2.80    |       |         |          |
|   |   | 1     | 22.00 | 0.20 | 0.30  | 1.32    |       |         |          |
|   | deduction   |       |       |      |       |         |       |         |          |



|    | DESCRIPTION  | N  | L     | B    | H/D   | Qty    | Unit | Rate    | Amount   |
|----|--|----|-------|------|-------|--------|------|---------|----------|
|    |  | -1 | 1.50  | 0.20 | 2.10  | -0.63  |      |         |          |
|    |  | -4 | 1.50  | 0.20 | 1.20  | -1.44  |      |         |          |
|    | FOR  | -6 | 0.90  | 0.45 | 1.20  | -2.92  |      |         |          |
|    |  |    |       |      |       | 20.56  | CUM  | 3263.00 | 67084.02 |
|    | Rate for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:  |    |       |      |       |        |      |         |          |
|    |  |    |       |      |       | 13.32  |      |         |          |
|    |  |    |       |      |       | 13.32  | CUM  | 121.00  | 1611.72  |
| 10 | Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc     |    |       |      |       |        |      |         |          |
|    | door   | 1  | 1.50  | 2.10 | 25.00 | 78.75  |      |         |          |
|    |  | 2  | 1.00  | 2.10 | 20.00 | 84.00  |      |         |          |
|    | window   | 3  | 1.50  | 1.20 | 25.00 | 135.00 |      |         |          |
|    |  |    |       |      |       | 297.75 | kg   | 75.00   | 22331.25 |
| 11 | 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. |    |       |      |       |        |      |         |          |
|    | window   | 3  | 1.50  | 1.20 | 20.00 | 108.00 |      |         |          |
|    |  | 6  | 0.90  | 0.45 | 15.00 | 36.45  |      |         |          |
|    |  |    |       |      |       | 144.45 | kg   | 67.50   | 9750.38  |
| 12 | Providing and making 12mm thick cement plaster of mix:   |    |       |      |       |        |      |         |          |
|    | In Cement Mortar 1:6, (1 cement : 6 fine sand)   | 1  | 32.00 |      | 3.20  | 102.40 | sqm  | 91.50   | 9369.60  |
| 13 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:  |    |       |      |       |        |      |         |          |
|    | In Cement Mortar 1:6 (1 cement : 6 fine sand)  | 1  | 33.00 |      | 3.60  | 118.80 | sqm  | 107.00  | 12711.60 |
| 14 | 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   |    |       |      |       | 221.20 | sqm  | 94.50   | 20903.40 |
| 15 | 14.11 Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.  |    |       |      |       |        |      |         |          |
|    | On new work (two or more coats)  |    |       |      |       | 102.40 | sqm  | 52.50   | 5376.00  |



| DESCRIPTION |  | N | L     | B    | H/D  | Qty    | Unit | Rate    | Amount   |
|-------------|--|---|-------|------|------|--------|------|---------|----------|
| 18          | surface with ACRYLIC<br>superior paint of required<br>manufacturer's<br>to give protective and<br>finish including cleaning<br>of surface etc. complete with<br>new work (Two or more coats applied<br>@ 1.43 ltr/ 10 sqm over and including<br>Painting on new work (two or more<br>coats) to give an even shade with<br>Satin Synthetic Enamel Paint   |   |       |      |      | 118.80 | sqm  | 56.00   | 6652.80  |
|             |  | 2 | 1.50  | 2.10 |      | 6.30   |      |         |          |
|             |  | 4 | 1.00  | 2.10 |      | 8.40   |      |         |          |
|             |  | 3 | 1.50  | 1.20 |      | 5.40   |      |         |          |
|             |  | 6 | 1.50  | 1.20 |      | 10.80  |      |         |          |
|             |  | 6 | 0.90  | 0.45 |      | 2.43   |      |         |          |
| 18          | Providing and laying vitrified floor tiles<br>with double charge/ multi charge printing<br>with water absorption less than 0.5% and<br>conforming to IS : 15622 of approved<br>make in all colours and shades and size<br>mentioned below (+/- 10mm), laid on<br>20mm thick cement mortar 1:4 (1 cement<br>: 4 coarse sand) including grouting the<br>joints with white cement and matching<br>pigments etc. complete. |   |       |      |      | 33.33  | sqm  | 55.00   | 1833.15  |
|             | Size 600x600mm   | 1 | 6.50  | 4.50 |      | 29.25  |      |         |          |
|             |  | 1 | 22.00 |      | 0.10 | 2.20   |      |         |          |
| 19          | 15mm thick Granite work (machine cut,<br>table rubbed & mirror polished) for<br>kitchen platform, vanity counters, window<br>sills and similar locations of required size<br>laid over 20mm thick base cement<br>mortar 1:4 (1 cement : 4 coarse sand)<br>including joints treated with white cement<br>mixed with matching pigment including<br>rubbing and polishing to edge moulding<br>to give high gloss finish.  |   |       |      |      | 31.45  | sqm  | 963.00  | 30286.35 |
|             | Granite stone black  | 1 | 12.00 | 0.60 |      | 7.20   |      |         |          |
|             |  | 1 | 12.00 | 0.15 |      | 1.80   |      |         |          |
| 20          |  |   |       |      |      | 9.00   | sqm  | 3279.00 | 29511.00 |
|             | Providing and fixing ceramic glazed wall<br>tiles conforming to IS : 15622 of<br>approved make, colours, shades and<br>size on wall and dados over 12 mm thick<br>bed of cement Mortar 1:3 (1 cement : 3<br>coarse sand) and jointing with grey<br>cement slurry @ 3.3kg per sqm including<br>pointing in white cement mixed with  |   |       |      |      |        |      |         |          |
| 21          | Size upto 200x300mm  | 1 | 12.00 |      | 1.20 | 14.40  | sqm  | 587.00  | 8452.80  |
|             | 12.37Chequerred precast cement<br>concrete tiles 22mm thick in footpath &<br>courtyard jointed with neat cement slurry<br>mixed with pigment to match the shade<br>of tile including cleaning of joint etc<br>complete on 20 mm thick bed of cement<br>mortar 1:4 (1 cement :4 coarse sand) :  |   |       |      |      |        |      |         |          |





|    | DESCRIPTION  | N | L     | B    | H/D  | Qty   | Unit  | Rate    | Amount  |
|----|--|---|-------|------|------|-------|-------|---------|---------|
|    | shade using<br>50% white cement and<br>grey cement   | 3 | 7.00  | 0.30 |      | 6.30  |       |         |         |
|    |  | 3 | 7.00  |      | 0.15 | 3.15  |       |         |         |
|    |  |   |       |      |      | 9.45  | sqm   | 591.00  | 5584.95 |
|    | Providing and fixing stainless<br>steel AISI-304(18/8) wash basin with C.I.<br>brackets, 32 mm C.P. brass waste of<br>standard pattern, including painting of<br>brackets, cutting and making good the   |   |       |      |      |       |       |         |         |
|    | Size 510x410 mm  | 1 |       |      |      | 1.00  | each  | 4095.00 | 4095.00 |
| 23 | Providing and fixing 15 mm nominal bore<br>Brass bib/stop cock of approved quality:<br>Bib cock (350 grams)  |   |       |      |      |       |       |         |         |
|    |  |   |       |      |      | 1.00  | each  | 237.00  | 237.00  |
|    | Pillar Cock (400 grams)  |   |       |      |      | 1.00  | each  | 398.00  | 398.00  |
| 24 | Providing and fixing ball valve (brass) of<br>approved quality, High or low pressure,<br>with plastic floats complete<br>20 mm nominal bore  |   |       |      |      | 1.00  | each  | 394.00  | 394.00  |
| 25 | Providing and fixing stainless steel drain<br>valve of approved make/quality.  |   |       |      |      | 1.00  | each  | 51.00   | 51.00   |
| 26 | Providing and fixing on wall face or under<br>floor UV stabilized Unplasticised Rigid<br>PVC pipes (single socketed) having<br>3.2mm wall thickness conforming to IS :<br>13592 (4kg/sqcm) including required<br>couplers, jointing with seal ring<br>conforming to IS : 5382 leaving 10 mm<br>gap for thermal expansion etc complete.<br>110 mm dia pipe.   |   |       |      |      | 12.00 | metre | 267.00  | 3204.00 |
| 27 | Providing and fixing Chlorinated Polyvinyl<br>Chloride (CPVC) pipes, having thermal<br>stability for hot & cold water supply<br>including all CPVC plain & brass<br>threaded fittings l/c fixing the pipe with<br>clamps at 1.00 m spacing. This includes<br>jointing of pipes & fittings with one step<br>CPVC solvent cement and the cost of<br>cutting chases and making good the<br>same including testing of joints complete<br>as per direction of Engineer in Charge. |   |       |      |      |       |       |         |         |
|    | CONCEALED WORK including cutting<br>chases and making good the walls etc.  |   |       |      |      |       |       |         |         |
|    | 25 mm nominal outer dia .Pipes   | 1 | 13.20 |      |      | 13.20 | metre | 213.00  | 2811.60 |
|    | 20 mm nominal outer dia .Pipes.  | 1 | 15.00 |      |      | 15.00 | metre | 167.00  | 2505.00 |



Date 05-10

| DESCRIPTION  | N | L       | B | H/D | Qty     | Unit  | Rate | Amount    |
|--|---|---------|---|-----|---------|-------|------|-----------|
| Placing on terrace (at all polyethylene water storage 701 marked with cover and locking arrangement and making dry holes for inlet, outlet and flow pipes but without fittings and the se support for tank | 1 | 1000.00 |   |     | 1000.00 | litre | 7.30 | 7300.00   |
| TOTAL  |   |         |   |     |         |       |      | 486866.26 |
| For Electrification Work (P.W.D. Electrical Sor 01.06.2020)  |   |         |   |     |         |       |      | 10632.72  |
| Writing Board  |   |         |   |     |         |       |      | 2500.00   |
| TOTAL AMOUNT   |   |         |   |     |         |       |      | 499998.98 |
| Say As Ammount   |   |         |   |     |         |       |      | 500000.00 |
| 01 Nos X 500000.00=  |   |         |   |     |         |       |      | 500000.00 |

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

  
Asst. Engineer  
Municipal Corporation  
Korba (C.G.)