

# कार्यालय, नगर पालिक निगम, कोरबा (छत्तीसगढ़)

फा.क. 291/2025

सिस्टम टेंडर नं.172477

कोरबा दिनांक 22.07.2025

## 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-प्रोब्युरमेंट (E-Tendering) के माध्यम से निविदा प्रपत्र Form-A में निविदा आमंत्रित की जाती है:-

1. फिजिकल सबमिशन लिफाफा प्राप्त होने की अंतिम तिथि - 20.08.2025 सायंकाल से 3.00 बजे तक
2. निविदा खुलने की अंतिम तिथि - 20.08.2025 सायंकाल 4.00 बजे से

| क. | 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  | वार्ड क 33 अंतर्गत शासकीय माध्यमिक शाला पी.डब्ल्यू.डी. रामपुर में नवीन शाला भवन का निर्माण कार्य (जि.ख.न्या.मद) | 16.59                    | 12500/-              | 04 माह    | 750/-                                   | वर्ग डी एवं प्रवर श्रेणी | 20.08.2025 से .....  |

शर्त:-

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 दरो 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 उन्हें 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 डीडी) की सत्य प्रतिलिपि, उपलब्ध तकनीकी अमले की जानकारी, विगत 3 वर्षों का आयकर चुकता प्रमाण पत्र, पैन 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 स्केन कापी ऑन लाईन सिस्टम 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 कोसावाड़ी 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 पश्चात 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 रोकੀ जावेगी। सुरक्षा राशि एवं परफार्मेंस गारंटी राशि वापसी हेतु समयावधि की गणना कार्य पूर्णता तिथि से किया जायेगा। उक्त समयावधि 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 फ्लाइंग ब्रिक का उपयोग किया जाना अनिवार्य होगा।
8. प्रयुक्त लोहा का विल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
9. निविदा दरो असामान्य कमी प्रतीत होने पर सफल निविदा दाता से अनुबंध के पूर्व एन.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 समयावधि में जमा न करने की दशा में निविदा स्वमेव निरस्त मानी जावेगी।
10. निविदा अहस्तांतरणीय होगा एवं शर्त 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 है।
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 कियान्वयन 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. No. | Nagar Nigam Stage | Contractor Stage             | Start      |       | Expiry     |       | Remarks        |
|----------|-------------------|------------------------------|------------|-------|------------|-------|----------------|
|          |                   |                              | Date       | Time  | Date       | Time  |                |
| 1        | Release Tender    |                              | 22.07.2025 | 15.30 | 22.07.2025 | 15.30 | Release Tender |
| 2        |                   | Bid Submission               | 22.07.2025 | 15.30 | 18.08.2025 | 17.30 |                |
| 3        |                   | Physical Document Submission | 22.07.2025 | 15.30 | 20.08.2025 | 15.00 |                |
| 4        | Tender Open       |                              | 18.08.2025 | 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 GOVT. PRIMARY SCHOOL BUILDING RAMPUR PWD AT WARD NO-33  
 As per SOR SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

| SN | REF  | ITEM DESCRIPTION   | N   | L     | B    | H/D  | 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 pits. |     |       |      |      |              |           |        |          |
|    | 1.1  | In all types of soils.   |     |       |      |      |              |           |        |          |
|    |      | CI   | 17  | 1.30  | 1.30 | 1.30 | 37.34        |           |        |          |
|    |      | -wall  | 1   | 68.00 | 0.30 | 0.30 | 6.12         |           |        |          |
|    |      | Deduction--FOUDATION   | 17  | 1.30  | 0.30 | 0.30 | -1.98        |           |        |          |
|    |      | -STEP  | 1   | 2.90  | 0.90 | 0.10 | 0.26         |           |        |          |
|    |      | -PLATFORM  | 2X1 | 1.30  | 0.30 | 0.10 | 0.07         |           |        |          |
|    |      | -RAMP  | 1   | 1.30  | 0.30 | 0.10 | 0.03         |           |        |          |
|    |      |  | 1   | 3.00  | 0.30 | 0.10 | 0.09         |           |        |          |
|    |      |  |     |       |      |      | <b>Total</b> | 41.93 cum | 185.00 | 7,757.05 |
| 2  | 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 lead upto 50 M. and lift upto 1.5 M.           |     |       |      |      |              |           |        |          |
|    |      |  |     |       |      |      | 41.93        |           |        |          |
|    |      |  |     |       |      |      | <b>Total</b> | 41.93 cum | 65.00  | 2,725.45 |
| 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,  |     |       |      |      |              |           |        |          |

| SN | REF  | ITEM DESCRIPTION  | N    | L     | B    | H/D  | QTY          | UNIT      | RATE   | AMOUNT    |
|----|------|---|------|-------|------|------|--------------|-----------|--------|-----------|
|    |      | including dressing etc. complete.   |      |       |      |      |              |           |        |           |
|    |      | -class room   | 2    | 6.00  | 4.50 | 0.10 | 5.40         |           |        |           |
|    |      | -office   | 1    | 2.90  | 2.90 | 0.10 | 0.84         |           |        |           |
|    |      | -ver  | 1    | 9.10  | 1.80 | 0.10 | 1.63         |           |        |           |
|    |      | -kitchen  | 1    | 2.90  | 2.90 | 0.10 | 0.84         |           |        |           |
|    |      | -ramp   | 1    | 3.00  | 1.10 | 0.10 | 0.33         |           |        |           |
|    |      |   |      |       |      |      | <b>Total</b> | 9.04 cum  | 371.00 | 3,353.84  |
| 4  | 1.19 | Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete. |      |       |      |      |              |           |        |           |
|    |      | -class room   | 1    | 6.00  | 4.50 | 0.30 | 8.10         |           |        |           |
|    |      | -office   | 1    | 2.90  | 2.90 | 0.30 | 2.52         |           |        |           |
|    |      | -ver.   | 1    | 9.10  | 1.80 | 0.30 | 4.91         |           |        |           |
|    |      | -kitchen  | 1    | 2.90  | 2.90 | 0.30 | 2.52         |           |        |           |
|    |      | -ramp   | 1    | 3.00  | 1.10 | 0.40 | 1.32         |           |        |           |
|    |      |   |      |       |      |      | <b>Total</b> | 19.37 cum | 242.00 | 4,687.54  |
| 5  | 2.1  | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:   |      |       |      |      |              |           |        |           |
|    | 1.1  | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.  |      |       |      |      |              |           |        |           |
|    |      | base f2   | 17x4 | 1.10  |      | 0.40 | 29.92        |           |        |           |
|    |      | -p.col.upto p.l.  | 17   | 1.00  |      | 0.85 | 14.45        |           |        |           |
|    |      | -p.b  | 1x2  | 68.00 |      | 0.30 | 40.80        |           |        |           |
|    |      |   |      |       |      |      | <b>Total</b> | 85.17 sqm | 139.00 | 11,838.63 |
|    | 1.5  | Columns, Pillars, Piers and likes- rectangular or square in shape   |      |       |      |      |              |           |        |           |
|    |      |   | 17   | 1.00  |      | 3.00 | 51.00        |           |        |           |
|    |      |   |      |       |      |      | <b>Total</b> | 51.00 sqm | 297.00 | 15,147.00 |
|    | 1.7  | Suspended floors, roofs, access platform, balconies   |      |       |      |      |              |           |        |           |

| SN | REF | ITEM DESCRIPTION<br>(plain surfaces) and<br>shelves (cast in situ)  | N   | L     | B    | H/D  | QTY   | UNIT   | RATE | AMOUNT  |           |
|----|-----|---|-----|-------|------|------|-------|--------|------|---------|-----------|
|    |     |   | 1   | 13.20 | 7.60 |      | 99.00 |        |      |         |           |
|    |     |   | 1   | 3.00  | 1.10 |      | 4.20  |        |      |         |           |
|    |     |   | 1   | 3.10  | 3.00 |      | 12.09 |        |      |         |           |
|    |     |   |     |       |      |      | Total | 116.38 | sqm  | 235.00  | 27,114.30 |
|    | 1.8 | Beams, lintels, cantilevers<br>& walls  |     |       |      |      |       |        |      |         |           |
|    |     | -l.b  | 1x2 | 68.00 |      | 0.20 | 27.20 |        |      |         |           |
|    |     | -chhajja  | 8   | 1.80  | 0.50 |      | 7.20  |        |      |         |           |
|    |     |   | 1   | 1.30  | 0.50 |      | 0.65  |        |      |         |           |
|    |     | -kitchen pf   | 1   | 2.90  | 0.50 |      | 1.45  |        |      |         |           |
|    |     | slab beam   | 1x2 | 68.00 |      | 0.30 | 40.80 |        |      |         |           |
|    |     | -T BEAM   | 2x2 | 4.50  |      | 0.40 | 7.20  |        |      |         |           |
|    |     |   |     |       |      |      | Total | 84.50  | sqm  | 202.00  | 17,069.00 |
| 6  | 3.1 | Providing and laying<br>nominal mix plain<br>cement concrete with<br>crushed stone aggregate<br>using concrete mixer in<br>all works upto plinth<br>level excluding cost of<br>form work. |     |       |      |      |       |        |      |         |           |
|    | 1.2 | 1:4:8 (1 cement : 4<br>coarse sand : 8 graded<br>stone aggregate 40mm<br>nominal size).   |     |       |      |      |       |        |      |         |           |
|    |     | -foundation   | 17  | 1.30  | 1.30 | 0.15 | 4.30  |        |      |         |           |
|    |     | -wall   | 1   | 68.00 | 0.30 | 0.10 | 2.04  |        |      |         |           |
|    |     | Deduction--col.   | 17  | 0.30  | 0.30 | 0.10 | -0.15 |        |      |         |           |
|    |     | -floor  | 2   | 6.00  | 4.50 | 0.10 | 5.40  |        |      |         |           |
|    |     | -office   | 1   | 2.90  | 2.90 | 0.10 | 0.84  |        |      |         |           |
|    |     | -ver  | 1   | 9.10  | 1.80 | 0.10 | 1.63  |        |      |         |           |
|    |     | kitchen   | 1   | 2.90  | 2.90 | 0.10 | 0.84  |        |      |         |           |
|    |     | step  | 1   | 2.90  | 0.90 | 0.10 | 0.26  |        |      |         |           |
|    |     | -platform   | 2   | 1.30  | 0.30 | 0.10 | 0.07  |        |      |         |           |
|    |     | -ramp   | 1   | 1.30  | 0.30 | 0.10 | 0.03  |        |      |         |           |
|    |     |   | 1   | 3.00  | 0.30 | 0.10 | 0.09  |        |      |         |           |
|    |     | -platform top   | 1   | 2.80  | 1.30 | 0.10 | 0.36  |        |      |         |           |
|    |     | -ramp top   | 1   | 3.00  | 1.10 | 0.10 | 0.33  |        |      |         |           |
|    |     |   |     |       |      |      | Total | 16.04  | cum  | 2659.00 | 42,650.36 |
| 7  | 3.2 | Providing and laying<br>nominal mix reinforced<br>cement concrete with<br>crushed stone aggregate.<br>using concrete mixer in<br>all works upto plinth<br>level excluding cost of         |     |       |      |      |       |        |      |         |           |



| SN | REF  | ITEM DESCRIPTION   | N  | L     | B    | H/D  | QTY   | UNIT      | RATE    | AMOUNT     |
|----|------|--|----|-------|------|------|-------|-----------|---------|------------|
|    |      | Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:  |    |       |      |      |       |           |         |            |
|    | 5.4  | Cement Mortar 1:6 (1 cement : 6 coarse sand) ·   |    |       |      |      |       |           |         |            |
|    |      | -below plinth  | 1  | 68.00 | 0.20 | 0.50 | 6.80  |           |         |            |
|    |      | Deduction--COL.  | 17 | 0.30  | 0.20 | 0.50 | -0.51 |           |         |            |
|    |      | -STEP  | 1  | 2.90  | 0.90 | 0.17 | 0.44  |           |         |            |
|    |      |  | 1  | 2.90  | 0.30 | 0.17 | 0.14  |           |         |            |
|    |      | -P.F   | 2  | 1.00  | 0.20 | 0.60 | 0.24  |           |         |            |
|    |      | RAMP   | 1  | 1.30  | 0.20 | 0.60 | 0.15  |           |         |            |
|    |      |  | 1  | 3.00  | 0.20 | 0.30 | 0.18  |           |         |            |
|    |      |  |    |       |      |      |       |           |         |            |
|    |      |  |    |       |      |      | Total | 7.44 cum  | 3263.00 | 24,276.72  |
| 11 | 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:   |    |       |      |      |       |           |         |            |
|    |      | -B/W ABOVE P.L.  | 1  | 68.00 | 0.20 | 2.10 | 28.56 |           |         |            |
|    |      | Deduction--COL.  | 17 | 0.30  | 0.20 | 2.10 | -2.14 |           |         |            |
|    |      | Deduction--C.G   | 1  | 2.60  | 0.20 | 2.10 | -1.09 |           |         |            |
|    |      | Deduction--DOOR  | 5  | 1.10  | 0.20 | 2.10 | -2.31 |           |         |            |
|    |      | Deduction--Window  | 6  | 1.50  | 0.20 | 1.20 | -2.16 |           |         |            |
|    |      | Deduction--jali  | 2  | 1.50  | 0.20 | 1.20 | -0.72 |           |         |            |
|    |      | -b/w above l.b.  | 1  | 68.00 | 0.20 | 0.80 | 10.88 |           |         |            |
|    |      | Deduction--col.  | 17 | 0.30  | 0.20 | 0.80 | -0.81 |           |         |            |
|    |      | Deduction--ventilater  | 9  | 0.90  | 0.20 | 0.20 | -0.32 |           |         |            |
|    |      |  |    |       |      |      |       |           |         |            |
|    |      |  |    |       |      |      | Total | 29.89 cum | 3384.00 | 101,147.76 |
| 12 | 9.11 | 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  | 2.60  |      | 2.10 | 5.46  |           |         |            |
|    |      |  |    |       |      |      |       |           |         |            |
|    |      |  |    |       |      |      | Total | 5.46 sqm  | 3330.00 | 18,181.80  |

| SN | REF  | ITEM DESCRIPTION   | N | L     | B | H/D | QTY          | UNIT      | RATE  | AMOUNT    |
|----|------|--|---|-------|---|-----|--------------|-----------|-------|-----------|
| 13 | 9.13 | 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 chromate primer.  |   |       |   |     |              |           |       |           |
|    |      | -door 1.1x 2.1   | 5 | 65.00 |   |     | 325.00       |           |       |           |
|    |      | -window 1.5x1.2  | 6 | 74.00 |   |     | 444.00       |           |       |           |
|    |      | -jali 1.5x1.2  | 2 | 35.00 |   |     | 70.00        |           |       |           |
|    |      | -ventilator .9x.2  | 9 | 4.00  |   |     | 36.00        |           |       |           |
|    |      |  |   |       |   |     |              |           |       |           |
|    |      |  |   |       |   |     | <b>Total</b> | 875.00 kg | 75.00 | 65,625.00 |
| 14 | 9.3  | Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. |   |       |   |     |              |           |       |           |
|    | 3.2  | Electric resistance or induction butt welded tubes Grade-300   |   |       |   |     |              |           |       |           |
|    |      | -for ramp  |   | 60.00 |   |     | 60.00        |           |       |           |
|    |      |  |   |       |   |     |              |           |       |           |
|    |      |  |   |       |   |     | <b>Total</b> | 60.00 kg  | 93.50 | 5,610.00  |
| 15 | 9.15 | Providing and fixing M.S. grill of approved pattern made of M.S. flats or square or round bars   |   |       |   |     |              |           |       |           |



| SN | REF  | ITEM DESCRIPTION   | N   | L     | B    | H/D  | QTY    | UNIT   | RATE | AMOUNT          |
|----|------|--|-----|-------|------|------|--------|--------|------|-----------------|
|    |      | 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. ,Column Footing = 1/6<br>(NxH)(A1+A2+4Am)<br>,A1=1x1, A2=,0.2x0.2, Am=(1/2)(1X1+0.2x0.2) |     |       |      |      |        |        |      |                 |
|    |      | -window grill  | 6   | 35.00 |      |      | 210.00 |        |      |                 |
|    |      |  |     |       |      |      | Total  | 210.00 | kg   | 67.50 14,175.00 |
| 16 | 11.1 | Providing and making 6mm thick cement plaster of mix:  |     |       |      |      |        |        |      |                 |
|    | 1.2  | In Cement mortar 1:4 (1 cement : 4 fine sand)  |     |       |      |      |        |        |      |                 |
|    |      | -ceilling class  | 2   | 6.00  | 4.50 |      | 54.00  |        |      |                 |
|    |      | -office  | 1   | 2.90  | 2.90 |      | 8.41   |        |      |                 |
|    |      | -ver   | 1   | 9.10  | 1.80 |      | 16.38  |        |      |                 |
|    |      | -kitchen   | 1   | 2.90  | 2.90 |      | 8.41   |        |      |                 |
|    |      |  |     |       |      |      | Total  | 87.20  | sqm  | 87.00 7,586.40  |
| 17 | 11.2 | Providing and making 12mm thick cement plaster of mix:   |     |       |      |      |        |        |      |                 |
|    | 2.3  | In Cement Mortar 1:5 (1 cement : 5 fine sand)  |     |       |      |      |        |        |      |                 |
|    |      | -inner plaster 6+4,5   | 2x2 | 10.50 |      | 3.30 | 138.60 |        |      |                 |
|    |      | -office 2.9+2.9  | 2   | 5.80  |      | 3.30 | 38.28  |        |      |                 |
|    |      | -ver. 9.1+1.8  | 2   | 10.90 |      | 3.30 | 71.94  |        |      |                 |
|    |      | -kitchen 2.9+2.9   | 2   | 5.80  |      | 3.30 | 38.28  |        |      |                 |
|    |      | Deduction--cg  | 1   | 2.60  |      | 2.10 | -5.46  |        |      |                 |
|    |      | Deduction--d   | 5   | 1.10  |      | 2.10 | -11.55 |        |      |                 |
|    |      | Deduction--w   | 6   | 1.50  |      | 1.20 | -10.80 |        |      |                 |
|    |      | Deduction--jali  | 2   | 1.50  |      | 1.20 | -3.60  |        |      |                 |
|    |      | Deduction--venti.  | 9   | 0.90  |      | 0.20 | -1.62  |        |      |                 |
|    |      |  |     |       |      |      | Total  | 254.07 | sqm  | 96.50 24,517.75 |
| 18 | 11.3 | Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:  |     |       |      |      |        |        |      |                 |
|    | 3.3  | In Cement Mortar 1:5 (1 cement : 5 fine sand)  |     |       |      |      |        |        |      |                 |
|    |      | -outer plaster   | 2   | 15.70 |      | 4.00 | 125.60 |        |      |                 |
|    |      |  | 2   | 8.00  |      | 4.00 | 64.00  |        |      |                 |

| SN | REF   | ITEM DESCRIPTION   | N | L     | B    | H/D   | QTY    | UNIT | RATE    | AMOUNT     |
|----|-------|--|---|-------|------|-------|--------|------|---------|------------|
| 12 | 13.13 | 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 : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.  |   |       |      | Total | 189.00 | sqm  | 113.00  | 21,424.00  |
|    | 13.1  | Size 600x600mm   |   |       |      |       |        |      |         |            |
|    |       | -class   | 2 | 0.00  | 4.50 |       | 04.00  |      |         |            |
|    |       | -office  | 1 | 2.00  | 2.00 |       | 0.41   |      |         |            |
|    |       | -ver   | 1 | 0.10  | 1.80 |       | 10.30  |      |         |            |
|    |       | -kitchen   | 1 | 2.00  | 2.00 |       | 0.41   |      |         |            |
|    |       | -total skirting length   | 1 | 07.00 | 0.10 |       | 0.70   |      |         |            |
|    |       | Deduction--open length   | 1 | 0.10  | 0.10 |       | -0.01  |      |         |            |
|    |       |  |   |       |      | Total | 95.09  | sqm  | 1161.00 | 109,448.59 |
| 20 | 12.46 | 15 mm thick Table rubbed polished Granite stone slab in risers and treads of steps skirting dado and pillars laid on 12mm (Average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing etc. complete (single stone is to be used for risers and treads of steps and width of stone for skirting and dado shall be equal to the height of skirting & dado and length of 1.0 m). |   |       |      |       |        |      |         |            |
|    | 46.1  | Granite stone grey/pink  |   |       |      |       |        |      |         |            |
|    |       |  | 1 | 2.00  | 0.70 |       | 2.03   |      |         |            |
|    |       |  | 1 | 3.90  | 0.30 |       | 1.17   |      |         |            |
|    |       |  |   |       |      | Total | 3.20   | sqm  | 1869.00 | 5,980.80   |
| 21 | 14.13 | Providing and applying   |   |       |      |       |        |      |         |            |


| SN | REF   | ITEM DESCRIPTION   | N   | L      | B    | H/D          | QTY           | UNIT       | RATE         | AMOUNT           |
|----|-------|--|-----|--------|------|--------------|---------------|------------|--------------|------------------|
|    |       | 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. |     |        |      |              |               |            |              |                  |
|    |       | -class ceiling   | 2   | 6.00   | 4.50 |              | 54.00         |            |              |                  |
|    |       | -office  | 1   | 2.90   | 2.90 |              | 8.41          |            |              |                  |
|    |       | -ver   | 1   | 9.10   | 1.80 |              | 16.38         |            |              |                  |
|    |       | -kitchen   | 1   | 2.90   | 2.90 |              | 8.41          |            |              |                  |
|    |       | -inner plaster class   | 2x2 | 10.50  |      | 3.30         | 138.60        |            |              |                  |
|    |       | -office  | 2   | 5.80   |      | 3.30         | 38.28         |            |              |                  |
|    |       | -ver   | 2   | 10.90  |      | 3.30         | 71.94         |            |              |                  |
|    |       | -kitchen 2.9+2.9   | 2   | 5.80   |      | 3.30         | 38.28         |            |              |                  |
|    |       | Deduction--c.g   | 1   | 2.60   |      | 2.10         | -5.46         |            |              |                  |
|    |       | Deduction--door  | 5   | 1.10   |      | 2.10         | -11.55        |            |              |                  |
|    |       | Deduction--window  | 6   | 1.50   |      | 1.20         | -10.80        |            |              |                  |
|    |       | Deduction--jali  | 2   | 1.50   |      | 1.20         | -3.60         |            |              |                  |
|    |       | Deduction--ventilator  | 9   | 0.90   |      | 0.20         | -1.62         |            |              |                  |
|    |       | -outer plaster quantity  | 1   | 189.60 |      |              | 189.60        |            |              |                  |
|    |       |  |     |        |      |              |               |            |              |                  |
|    |       |  |     |        |      | <b>Total</b> | <b>530.87</b> | <b>sqm</b> | <b>94.50</b> | <b>50,167.21</b> |
| 22 | 14.12 | Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.   |     |        |      |              |               |            |              |                  |
|    |       | -inner plaster quantity  | 1   | 254.07 |      |              | 254.07        |            |              |                  |
|    |       | -outer plaster quantity  | 1   | 189.60 |      |              | 189.60        |            |              |                  |
|    |       | -celling quantity  | 1   | 87.20  |      |              | 87.20         |            |              |                  |
|    |       |  |     |        |      |              |               |            |              |                  |
|    |       |  |     |        |      | <b>Total</b> | <b>530.87</b> | <b>sqm</b> | <b>23.00</b> | <b>12,210.01</b> |
| 23 | 14.11 | Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.  |     |        |      |              |               |            |              |                  |
|    | 11.1  | On new work (two or more coats)  |     |        |      |              |               |            |              |                  |
|    |       | -inner plaster quantity  | 1   | 254.07 |      |              | 254.07        |            |              |                  |
|    |       | celling quantity   | 1   | 87.20  |      |              | 87.20         |            |              |                  |
|    |       |  |     |        |      |              |               |            |              |                  |
|    |       |  |     |        |      | <b>Total</b> | <b>341.27</b> | <b>sqm</b> | <b>52.50</b> | <b>17,916.67</b> |
| 24 | 14.15 | Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give  |     |        |      |              |               |            |              |                  |

| SN | REF   | ITEM DESCRIPTION   | H   | L      | B | H/D          | QTY          | UNIT       | RATE   | AMOUNT    |
|----|-------|--|-----|--------|---|--------------|--------------|------------|--------|-----------|
|    |       | protective and decorative finish including cleaning washing of surface etc. complete with:   |     |        |   |              |              |            |        |           |
|    | 15.1  | On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)<br>-outer plaster quantity   | 1   | 100.00 |   |              | 100.00       |            |        |           |
|    |       |  |     |        |   |              | <b>Total</b> | 100.00 sqm | 50.00  | 10,017.00 |
| 25 | 14.17 | Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with: |     |        |   |              |              |            |        |           |
|    | 17.1  | On new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/ 10 sqm  | 1   | 13.00  |   | 4.00         | 52.00        |            |        |           |
|    |       |  | 1   | 2.00   |   | 4.00         | 11.00        |            |        |           |
|    |       |  |     |        |   | <b>Total</b> | 63.00        | sqm        | 140.00 | 8,904.00  |
| 26 | 14.21 | Applying priming coat on steel work with red oxide zinc chromate primer.   |     |        |   |              | 62.84        |            |        |           |
|    |       |  |     |        |   | <b>Total</b> | 62.84        | sqm        | 17.50  | 1,095.20  |
| 27 | 14.22 | Painting on new work (two or more coats) to give an even shade with:   |     |        |   |              |              |            |        |           |
|    | 22.1  | Satin synthetic enamel paint   |     |        |   |              |              |            |        |           |
|    |       | -cg  | 1x2 | 2.00   |   | 2.10         | 10.92        |            |        |           |
|    |       | -d   | 2x5 | 1.10   |   | 2.10         | 23.10        |            |        |           |
|    |       | -w   | 2x6 | 1.50   |   | 1.10         | 19.80        |            |        |           |
|    |       | -jali  | 2x2 | 1.50   |   | 1.20         | 7.20         |            |        |           |
|    |       | -ventilator  | 9   | 0.90   |   | 0.20         | 1.62         |            |        |           |
|    |       |  |     |        |   | <b>Total</b> | 62.84        | sqm        | 55.00  | 3,445.20  |
| 28 | 12.34 | Precast Terrazzo tiles   |     |        |   |              |              |            |        |           |

| SN | REF  | ITEM DESCRIPTION   | N   | L    | B    | H/D | QTY          | UNIT      | RATE   | AMOUNT   |
|----|------|--|-----|------|------|-----|--------------|-----------|--------|----------|
|    |      | 22mm thick with marble chips of size upto 6mm in skirting and risers of steps and exceeding 30cm in height on 12mm thick cement plaster 1:3 (1 cement : 3 coarse sand) jointed with neat cement slurry including rubbing and polishing complete with tiles of. |     |      |      |     |              |           |        |          |
|    | 34.2 | Medium shade using approximately. 50% white cement and 50% ordinary cement.  |     |      |      |     |              |           |        |          |
|    |      | -step top  | 1x3 | 2.90 | 0.30 |     | 2.61         |           |        |          |
|    |      | -front   | 1x3 | 2.90 | 0.17 |     | 1.47         |           |        |          |
|    |      | -pf& ramp  | 1x1 | 3.00 | 1.30 |     | 3.90         |           |        |          |
|    |      |  | 1x1 | 3.00 | 1.30 |     | 3.90         |           |        |          |
|    |      |  |     |      |      |     | <b>Total</b> | 11.88 sqm | 682.00 | 8,102.16 |
| 29 | 1.26 | Carriage by mechanical transport upto 5 km lead:   |     |      |      |     |              |           |        |          |
|    | 26.1 | Earth  |     |      |      |     | 19.37        |           |        |          |
|    |      |  |     |      |      |     | <b>Total</b> | 19.37 cum | 111.00 | 2,150.07 |

As per Estimate Amount Rs. 1106286.51  
 Extra for Internal Electrification Add Above 9% 99565.79  
 00.0 1,205,852.30  
 Say Rs.

Disabling - 1,57,600/-  
 Sanitary work - 1,89,144/-  
 Total = 15,52,596  
 say - 15,53,000/-

  
 Sub Engineer  
 Nagar Palik Nigam,  
 Korba

Astt. Engineer  
 Nagar Palik Nigam,  
 Korba

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


Name of Work :- Dismantling of Old School Building

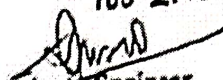
As per Sor :- Schedule of Rates Public Works Department ( PWD BUILDING 01-01-2015)

| Sno. | ITEM DESCRIPTION   | N  | L       | B    | HD    | Qty     | Unit | Rate   | Amount   |
|------|--|----|---------|------|-------|---------|------|--------|----------|
| 1    | 16.42 Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metre lead   |    |         |      |       |         |      |        |          |
|      |  | 12 | 0.20    | 0.40 | 4.20  | 4.03    |      |        |          |
|      |  | 1  | 98.20   | 0.20 | 0.30  | 5.89    |      |        |          |
|      |  | 2  | 98.20   | 0.20 | 0.20  | 3.93    |      |        |          |
|      |  | 1  | 19.50   | 7.50 | 0.12  | 17.55   |      |        |          |
|      |  | 1  | 19.50   | 0.60 | 0.10  | 1.17    |      |        |          |
|      |  |    |         |      | Total | 32.57   | Cum  | 768.00 | 25015.30 |
| 2    | 16.45 Extra for scrapping cleaning and straitening reinforcement obtained on demolishing of R.C.C. or R.B. work  | 1  |         |      |       |         |      | 2.10   | 7524.13  |
|      |  |    | 3582.92 |      |       | 3582.92 | kg   |        |          |
| 3    | 16.3 Demolishing brick masonry including arches, stacking of serviceable material disposal of unserviceable material within 50 metres lead.  |    |         |      |       |         |      |        |          |
|      | 16.3.3 In cement mortar  | 1  | 96.5    | 0.2  | 4.8   | 92.64   |      |        |          |
|      |  | 1  | 55.1    | 0.2  | 0.8   | 8.816   |      |        |          |
|      |  |    |         |      | Total | 101.456 | Cum  | 263.00 | 26682.93 |
| 4    | 16.26 Dismantling doors chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead.  | 9  |         |      |       | 9       | Each | 100.00 | 900.00   |
| 5    | 16.27 Dismantling windows chowkhats with shutters (steel or wood) including architrave, hold fast etc. complete and stacking within 50 metres lead..   | 6  |         |      |       | 6       | Each | 66.50  | 399.00   |
| 5    | 16.31 Dismantling steel work in built-up section in angles, channels, flats I-section and T-section including all gusset plates, bolts, nuts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead. | 1  | 2       | 2.4  | 30    | 144     | kg   | 1.00   | 144.00   |

|                                      |  |   |        |  |        |       |       |          |
|--------------------------------------|--|---|--------|--|--------|-------|-------|----------|
| 6                                    | Taking out stone/<br>masonry of doors windows or any<br>other opening for thickness upto 15<br>cm. | 4 | 20     |  | 80     | Metre | 73.00 | 5840.00  |
| 7                                    | 1.26 Carriage by mechanical<br>transport upto 5 km lead:   |   |        |  |        |       |       |          |
|                                      | 1.26.3 Dismantled Building debris<br>(Mulba)   | 1 | 134.03 |  | 134.03 | cum   | 91.50 | 12263.56 |
| As per SOR Total Estimate Amount Rs. |  |   |        |  |        |       |       | 78768.92 |

FOS 2 MOS - 157600/-

  
Sub Engineer  
Municipal Corporation  
Korba (C.G.)

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

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

**ABSTRACT**

Name of Work **MAINTENANCE, RENOVATION AND STRENGTHING WORK OF TOILET BLOCK**  
 As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT (PWD BUILDING-01.01.2015)


| S.N | REF   | ITEM DESCRIPTION  | UNIT | QTY    | RATE    | AMOUNT    |
|-----|-------|---|------|--------|---------|-----------|
| 1   | 14.45 | Removing dry or oil bound distemper by scraping sand papering and preparing the surfaces smooth including necessary repair to scratches etc. complete.  | sqm  | 58.34  | 5.20    | 303.36    |
| 2   | 14.46 | Removing old paint or polish by paint remover or blow lamp or any other means as approved including preparing the surface smooth after removing the paint.  | sqm  | 33.60  | 32.50   | 1,092.00  |
| 3   | 16.8  | Dismantling flag stone flooring laid in cement/lime mortar including stacking of serviceable material and disposal of unserviceable material within 50 metre lead.  | sqm  | 17.94  | 57.00   | 1,022.58  |
| 4   | 17.1  | Repairs to plaster in patches of area 2.5 sq. metres and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls with cement mortar 1:4 (1 cement : 4 fine sand) complete including disposal of rubbish to the dumping ground within 50metres lead : |      |        |         |           |
|     | 1.1   | Thickness upto 15mm   | sqm  | 22.59  | 132.00  | 2,981.88  |
| 5   | 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 pits.  |      |        |         |           |
|     | 1.1   | In all types of soils.  | cum  | 26.21  | 185.00  | 4,848.85  |
| 6   | 7.5   | 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:   |      |        |         |           |
|     | 5.3   | Cement Mortar 1:5 (1 cement : 5 coarse sand)  | cum  | 2.50   | 3350.00 | 8,375.00  |
| 7   | 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.  |      |        |         |           |
|     | 1.3   | 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).  | cum  | 1.80   | 2970.00 | 5,346.00  |
| 8   | 2.1   | Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:   |      |        |         |           |
|     | 1.1   | Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.  | sqm  | 57.60  | 139.00  | 8,006.40  |
| 9   | 3.2   | 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 work.   |      |        |         |           |
|     | 2.1   | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).  | cum  | 6.70   | 4163.00 | 27,892.10 |
| 10  | 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 complete:  |      |        |         |           |
|     | 12.1  | Thermo-Mechanically treated bars FE 415   | kg   | 334.80 | 54.50   | 18,246.60 |



| SN | REF   | ITEM DESCRIPTION  | UNIT | QTY   | RATE    | AMOUNT    |
|----|-------|---|------|-------|---------|-----------|
| 11 | 14.22 | Painting on new work (two or more coats) to give an even shade with:  |      |       |         |           |
|    | 22.1  | Satin synthetic enamel paint  |      |       |         |           |
| 12 | 14.13 | Providing and applying 2mm thick roady 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.   | sqm  | 16.80 | 55.00   | 924.00    |
|    |       |   | sqm  | 58.34 | 94.50   | 5,513.13  |
| 13 | 14.12 | Applying one coat of cement primer on wall surface (applied @ 0.80 litres/10 sqm) complete.   | sqm  | 58.34 | 23.00   | 1,341.82  |
| 14 | 14.11 | Wall painting with acrylic luxury emulsion (plastic) paint of required shade to give an even shade.   |      |       |         |           |
|    | 11.2  | On old work (one or more coats)   | sqm  | 20.59 | 33.50   | 689.76    |
| 15 | 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 etc., complete.   |      |       |         |           |
|    | 9.2   | Size above 300x300mm  | sqm  | 40.00 | 728.00  | 29,120.00 |
| 16 | 12.7  | 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 complete.   |      |       |         |           |
|    |       |   | sqm  | 40.00 | 587.00  | 23,480.00 |
|    | 7.1   | Size upto 200x300mm   | sqm  | 9.90  | 396.00  | 3,920.40  |
| 17 | 4.16  | Providing and laying 3mm thick APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25° C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under :Joint strength in longitudinal and transverse direction at 23° C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150° C. Cold flexibility shall be upto -2° C when tested in accordance with ASTM, D - 5147. |      |       |         |           |
| 18 | 14.15 | 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. complete with:  |      |       |         |           |
|    | 15.2  | On old work (One or more coats applied @ 0.83 ltr/ 10 sqm)  | sqm  | 29.17 | 37.00   | 1,079.29  |
| 19 | 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 the walls and floors wherever required :  |      |       |         |           |
|    | 1.1   | White Long pattern W.C. pan of size 580 mm  | each | 2.00  | 2459.00 | 4,918.00  |
| 20 | 18.76 | Providing and fixing on wall face or under floor 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   |      |       |         |           |

| REF  | ITEM DESCRIPTION  | UNIT  | QTY     | RATE   | AMOUNT    |
|------|---|-------|---------|--------|-----------|
|      | for thermal expansion etc complete.   |       |         |        |           |
|      | 110 mm dia pipe.  |       |         |        |           |
| 21   | 9.13 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 chromate primer.  | metre | 7.00    | 267.00 | 1,869.00  |
|      |   | kg    | 60.00   | 75.00  | 4,500.00  |
| 22   | 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.   |       |         |        |           |
| 77.1 | Tee/ Tee with door/ Bend 45° / Bend 90°   | 0     |         |        |           |
| .1.1 | 75 mm   | each  | 2.00    | 113.00 | 226.00    |
| 77.2 | Double 'Y' with or without door   | 0     |         |        |           |
| .2.1 | 75 mm   | each  | 2.00    | 129.00 | 258.00    |
| .2.2 | 110 mm  | each  | 2.00    | 224.00 | 448.00    |
| 77.5 | 'P' trap 110mmx110mm long   | each  | 2.00    | 227.00 | 454.00    |
| 77.8 | Plain reducing Tee 110x75mm   | each  | 2.00    | 129.00 | 258.00    |
| 23   | 19.13 Providing and fixing 15 mm nominal bore Brass bib/stop cock of approved quality:  |       |         |        |           |
| 13.1 | Bib cock (250 grams)  | each  | 4.00    | 185.00 | 740.00    |
| 24   | 19.6 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This included jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. EXTERNAL WORK |       |         |        |           |
| 6.1  | 15 mm nominal outer dia pipes   | metre | 60.00   | 91.50  | 5,490.00  |
| 25   | 19.7 Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete:   |       |         |        |           |
| 7.2  | 20 mm dia. nominal bore   | metre | 100.00  | 185.00 | 18,500.00 |
| 26   | 19.42 Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 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  | ltr   | 1000.00 | 7.30   | 7,300.00  |

As per Estimate Amount Rs. 189144.17

  
 Sub Engineer  
 Nagar Palik Nigam,  
 Korba

Astt. Engineer  
 Nagar Palik Nigam,  
 Korba