

# कार्यालय, नगर पालिक निगम, कोरबा (छ.ग.)

फा.क./निर्माण /2018 /274

सिस्टम टेन्डर नं. 49775  
ई-निविदा आमंत्रण सूचना

कोरबा, दिनांक 18/02/2019

लोक निर्माण विभाग से एकीकृत पंजीयन प्रणाली अंतर्गत सक्षम श्रेणी में पंजीकृत ठेकेदारों से निम्नलिखित कार्यों हेतु प्रमुख अभियन्ता लोक निर्माण विभाग, रायपुर द्वारा (भवन) दिनांक 01.01.2015 से प्रभावशील दर पर (निविदा खुलने के दिनांक तक समस्त संशोधनों के साथ) कम अधिक या समान दरों पर तथा शेड्यूल अनुसार आयटम दरों पर निम्नलिखित निर्माण कार्य हेतु ऑनलाईन ई-निविदा आमंत्रित की जाती है :-

| क्र. | कार्य का नाम  | प्राक्कलन राशि में | धरोहर राशि रु में | कार्यावधि | ठेकेदार का वर्ग          | निविदा खुलने की अंतिम तिथि |
|------|---|--------------------|-------------------|-----------|--------------------------|----------------------------|
| 1    | वार्ड क 53 दर्राखार अंतर्गत उद्यान का निर्माण कार्य | 4964000.00         | 37300/-           | 06 माह    | वर्ग डी एवं प्रवर श्रेणी | 15.03.2019 से              |

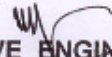
शर्तें:-

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 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 (पार्टनरशीप डीड ) की सत्य प्रतिलिपि, पूर्व में इस प्रकार के किये गये कार्यों की प्रमाणित सूची, उपलब्ध तकनीकी अमले की जानकारी, आयकर प्रमाण पत्र/पैन नम्बर, जी.एस.टी. पंजीयन प्रमाण पत्र एवं अमानत राशि ऑनलाईन जमा करना अनिवार्य होगा, प्रशिक्षित यंत्री नियुक्त करने संबंधी प्रमाण पत्र, कर्मचारी भविष्य निधि रायपुर से पंजीकरण का कोड एवं धरोहर राशि का स्केन कापी ऑन लाईन सिस्टम पर अपलोड करना अनिवार्य होगा।
4. सम्पूर्ण किये गये कार्यों के लिए प्रत्येक चल देयकों में से 5 प्रतिशत सुरक्षा राशि 01 वर्ष के लिए एवं 5 प्रतिशत परफार्मेंस सिक्चुरिटी की गारंटी के रूप में से 03 वर्ष के लिए रोकी जावेगी।
5. जिन निविदाकारों द्वारा कर्मचारी भविष्य निधि संगठन एवं कर्मचारी राज्य बीमा निगम, रायपुर से पंजीयन कराकर कोड प्राप्त कर लिया हो वे निविदाकार ही निविदा हेतु पात्र होंगे।
6. 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 वैध शपथपत्र देना अनिवार्य होगा।
7. 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।
8. ईट से संबंधित निर्माण कार्यों में फ्लाई एश ब्रिक का उपयोग किया जाना अनिवार्य होगा।
9. प्रयुक्त लोहा का बिल एवं टेस्ट रिपोर्ट तथा प्रयुक्त सीमेंट का बिल संलग्न करना अनिवार्य होगा।
10. 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 डिपोजिट 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।
11. निविदा अहस्तांतरणीय होगा एवं सशर्त निविदाओं पर विचार नहीं किया जावेगा।
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।

कार्यपालन अभियन्ता  
नगर पालिक निगम  
कोरबा (छत्तीसगढ़)

**Date-Time Detail(s)**

| Seq. No. | Nagar Nigam Stage | Contractor Stage | Start    |       | Expiry   |       | Remarks        |
|----------|-------------------|------------------|----------|-------|----------|-------|----------------|
|          |                   |                  | Date     | Time  | Date     | Time  |                |
| 1        | Release Tender    |                  | 18.02.19 | 18.00 | 18.02.19 | 18.00 | Release Tender |
| 2        |                   | Bid Submission   | 18.02.19 | 18.00 | 14.03.19 | 17.30 |                |
| 3        | Tender Open       |                  | 15.03.19 | 10.30 | --       | --    |                |

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

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

**DETAILED ESTIMATE**

Name of Work : const. of garden at darrikhaar w. no..53

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    | 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.   |      |        |       |              |         |      |        |           |
|    |      | -col.  | 120  | 1.30   | 1.30  | 1.20         | 243.36  |      |        |           |
|    |      | -wall  | 1    | 144.00 | 0.50  | 0.50         | 36.00   |      |        |           |
|    |      |  | 2    | 290.00 | 0.50  | 0.50         | 145.00  |      |        |           |
|    |      |  | 1    | 240.00 | 3.00  | 0.20         | 144.00  |      |        |           |
|    |      |  | 20x2 | 0.70   | 0.40  | 0.40         | 4.48    |      |        |           |
|    |      |  | 1    | 30.00  | 3.00  | 0.20         | 18.00   |      |        |           |
|    |      |  |      |        |       | <b>Total</b> | 590.84  | cum  | 185.00 | 109305.40 |
| 2  | 1.2  | Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).     | 1    | 125.00 | 75.00 |              | 9375.00 | sqm  | 7.20   | 67500.00  |
| 3  | 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.           |      |        |       |              | 286.00  | cum  | 65.00  | 18590.00  |
| 4  | 1.18 | Providing and filling in   |      |        |       |              |         |      |        |           |

| REF | ITEM DESCRIPTION   | N    | L      | B    | H/D  | QTY          | UNIT   | RATE   | AMOUNT   |           |
|-----|--|------|--------|------|------|--------------|--------|--------|----------|-----------|
|     | 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. complete.                   |      |        |      |      |              |        |        |          |           |
|     |  | 120  | 1.30   | 1.30 | 0.10 | 20.28        |        |        |          |           |
|     |  | 1    | 240.00 | 3.00 | 0.20 | 144.00       |        |        |          |           |
|     |  | 20x2 | 0.70   | 0.40 | 0.10 | 1.12         |        |        |          |           |
|     |  | 1    | 30.00  | 3.00 | 0.10 | 9.00         |        |        |          |           |
|     |  |      |        |      |      |              |        |        |          |           |
|     |  |      |        |      |      |              |        |        |          |           |
|     |  |      |        |      |      |              |        |        |          |           |
|     |  |      |        |      |      | <b>Total</b> | 174.40 | cum    | 371.00   | 64702.40  |
| 5   | 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. | 1    | 240.00 | 3.00 | 0.20 | 144.00       | cum    | 242.00 | 34848.00 |           |
| 6   | 1.26 Carriage by mechanical transport upto 5 km lead:  |      |        |      |      |              |        |        |          |           |
|     | 26.1 Earth   |      |        |      |      | 200.00       | cum    | 111.00 | 22200.00 |           |
| 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).   |      |        |      |      |              |        |        |          |           |
|     |  | 120  | 1.20   | 1.20 | 0.10 | 17.28        |        |        |          |           |
|     |  | 1    | 276.00 | 0.50 | 0.10 | 13.80        |        |        |          |           |
|     |  | 2    | 290.00 | 0.50 | 0.10 | 29.00        |        |        |          |           |
|     |  | 20x2 | 0.70   | 0.40 | 0.08 | 0.89         |        |        |          |           |
|     |  | 1    | 30.00  | 3.00 | 0.10 | 9.00         |        |        |          |           |
|     |  |      |        |      |      |              |        |        |          |           |
|     |  |      |        |      |      |              |        |        |          |           |
|     |  |      |        |      |      |              |        |        |          |           |
|     |  |      |        |      |      | <b>Total</b> | 69.97  | cum    | 2970.00  | 207810.90 |
| 8   | 3.1 Providing and laying   |      |        |      |      |              |        |        |          |           |

| REF | ITEM DESCRIPTION  | N   | L      | B    | H/D          | QTY    | UNIT | RATE    | AMOUNT    |
|-----|---|-----|--------|------|--------------|--------|------|---------|-----------|
|     | nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.   |     |        |      |              |        |      |         |           |
| 1.5 | 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).  | 1   | 30.00  | 3.00 | 0.20         | 18.00  | cum  | 4073.00 | 73314.00  |
| 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).  |     |        |      |              |        |      |         |           |
|     | -co.l...  | 120 | 1.10   | 1.10 | 0.25         | 36.30  |      |         |           |
|     | - ,Column Footing = 1/6 (NxH)(A1+A2+4Am)<br>,A1=1.1x1.1,<br>A2=,0.25x0.25,<br>Am=(1/2)(1.1X1.1+0.25x0.2   | 120 |        |      | .35          | 26.67  |      |         |           |
|     |   | 120 | 0.20   | 0.20 | 0.35         | 1.68   |      |         |           |
|     |   | 120 | 0.20   | 0.20 | 1.20         | 5.76   |      |         |           |
|     | -plinth beam  | 1   | 300.00 | 0.20 | 0.30         | 18.00  |      |         |           |
|     |   | 20  | 1.50   | 0.70 | 0.15         | 3.15   |      |         |           |
|     |   |     |        |      |              | 15.00  |      |         |           |
|     |   |     |        |      |              |        |      |         |           |
|     |   |     |        |      | <b>Total</b> | 106.56 | cum  | 4163.00 | 443609.28 |
| 10  | 3.9 Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement. |     |        |      |              | 3.15   | cum  | 469.00  | 1477.35   |
| 11  | 3.12 Providing and placing in position reinforcement for  |     |        |      |              |        |      |         |           |



| REF      | ITEM DESCRIPTION  | N | L | B | H/D | QTY     | UNIT | RATE   | AMOUNT    |
|----------|---|---|---|---|-----|---------|------|--------|-----------|
| 57.1     | SS Grade 204  |   |   |   |     | 1000.00 | kg   | 467.00 | 467000.00 |
| 15 11.2  | Providing and making<br>12mm thick cement plaster<br>of mix:  |   |   |   |     |         |      |        |           |
| 2.3      | In Cement Mortar 1:5 (1<br>cement : 5 fine sand)  |   |   |   |     | 965.00  | sqm  | 96.50  | 93122.50  |
| 16 11.3  | Providing and making<br>15mm thick cement plaster<br>on the rough side of single<br>or half brick wall of mix:  |   |   |   |     |         |      |        |           |
| 3.3      | In Cement Mortar 1:5 (1<br>cement : 5 fine sand)  |   |   |   |     | 965.00  | sqm  | 113.00 | 109045.00 |
| 17 12.7  | Providing and fixing<br>ceramic glazed wall tiles<br>conforming to IS : 15622 of<br>approved make, colours,<br>shades and size on wall and<br>dados over 12 mm thick<br>bed of cement Mortar 1:3<br>(1 cement : 3 coarse sand)<br>and jointing with grey<br>cement slurry @ 3.3kg per<br>sqm including pointing in<br>white cement mixed with<br>matching pigment complete. |   |   |   |     |         |      |        |           |
| 7.2      | Size above 200x300mm  |   |   |   |     | 50.00   | sqm  | 646.00 | 32300.00  |
| 18 12.9  | Providing and laying<br>ceramic glazed floor tiles<br>conforming to IS : 15622 of<br>approved size, make,<br>colour, shade laid on 20<br>mm thick Cement Mortar<br>1:4 (1 cement : 4 coarse<br>sand) including pointing the<br>joints with white cement<br>mixed with matching<br>pigment etc., complete.   |   |   |   |     |         |      |        |           |
| 9.2      | Size above 300x300mm  |   |   |   |     | 60.00   | sqm  | 728.00 | 43680.00  |
| 19 12.12 | Providing and laying<br>vitrified floor tiles with<br>soluble salt printing, of size<br>600x600mm with water<br>absorption less than 0.5%<br>and conforming to IS :<br>15622 of approved make,<br>laid on 20mm thick cement<br>mortar 1:4 (1 cement : 4<br>coarse sand) including<br>grouting the joints with   |   |   |   |     | 50.00   | sqm  | 963.00 | 48150.00  |

| REF  | ITEM DESCRIPTION   | N | L      | B    | H/D | QTY    | UNIT | RATE    | AMOUNT    |
|------|--|---|--------|------|-----|--------|------|---------|-----------|
|      | white cement and matching pigments etc. complete.  |   |        |      |     |        |      |         |           |
| 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). |   |        |      |     |        |      |         |           |
| 46.2 | Granite stone black  |   |        |      |     | 30.00  | sqm  | 2719.00 | 81570.00  |
| 21   | 12.65 Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm  |   |        |      |     |        |      |         |           |
| 65.2 | Pigment Coloured (rubber mould) precast interlock concrete blocks  | 1 | 290.00 | 3.00 |     | 870.00 | sqm  | 632.00  | 549840.00 |
| 22   | 13.6 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 treated with white   |   |        |      |     |        |      |         |           |



| REF      | ITEM DESCRIPTION   | N     | L    | B | H/D  | QTY     | UNIT | RATE    | AMOUNT   |
|----------|--|-------|------|---|------|---------|------|---------|----------|
|          | cement mixed with matching pigment including rubbing and polishing to edge moulding to give high gloss finish.   |       |      |   |      |         |      |         |          |
| 6.1      | Granite stone grey/pink  |       |      |   |      | 30.00   | sqm  | 2466.00 | 73980.00 |
| 23 14.14 | Finishing walls with water proofing cement paint of required shade to give an even shade.  |       |      |   |      |         |      |         |          |
| 14.1     | On new work (Two or more coats applied @ 3.84 kg/10 sqm)   |       |      |   |      | 1930.00 | sqm  | 41.00   | 79130.00 |
| 24 14.16 | Painting exterior surface with PREMIUM 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: |       |      |   |      |         |      |         |          |
| 16.1     | 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)  |       |      |   |      | 965.00  | sqm  | 74.50   | 71892.50 |
| 25 14.22 | Painting on new work (two or more coats) to give an even shade with:   |       |      |   |      |         |      |         |          |
| 22.1     | Satin synthetic enamel paint   | 94    | 3.00 |   | 1.50 | 423.00  | sqm  | 55.00   | 23265.00 |
| 26 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.   |       |      |   |      |         |      |         |          |
|          |  | 120x4 | 1.10 |   | 0.25 | 132.00  |      |         |          |
|          |  | 120x4 | 0.20 |   | 0.35 | 33.60   |      |         |          |

| REF   | ITEM DESCRIPTION  | N     | L      | B | H/D          | QTY    | UNIT  | RATE   | AMOUNT   |
|-------|---|-------|--------|---|--------------|--------|-------|--------|----------|
|       |   | 2     | 300.00 |   | 0.30         | 180.00 |       |        |          |
|       |   |       |        |   |              | 50.00  |       |        |          |
|       |   | 2     | 30.00  |   | 0.20         | 12.00  |       |        |          |
|       |   | 11    | 3.00   |   | 0.20         | 6.60   |       |        |          |
|       |   |       |        |   | <b>Total</b> | 414.20 | sqm   | 139.00 | 57573.80 |
| 1.6   | Columns, beams & walls-circular or any other geometrical shape other than square and rectangular in all sizes   | 120x4 | 0.20   |   | 1.20         | 115.20 | sqm   | 356.00 | 41011.20 |
| 27    | 21.1 Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge upto 90 metre depth below ground level. |       |        |   |              |        |       |        |          |
| 1.1   | All types of soil   |       |        |   |              |        |       |        |          |
| 1.1.2 | 125 mm dia.   |       |        |   |              | 20.00  | metre | 321.00 | 6420.00  |
| 1.2   | Rocky strata including Boulders.  |       |        |   |              |        |       |        |          |
| .2.2  | 125 mm dia.   |       |        |   |              | 30.00  | metre | 349.00 | 10470.00 |
| 28    | 21.2 Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants   |       |        |   |              |        |       |        |          |

| REF | ITEM DESCRIPTION  | N | L | B | H/D | QTY   | UNIT  | RATE    | AMOUNT   |
|-----|---|---|---|---|-----|-------|-------|---------|----------|
|     | & machineries required for the job, all complete as per direction of Engineer-in-charge beyond 90 metre & upto 150 metre depth below ground level. All types of soil  |   |   |   |     |       |       |         |          |
|     | 2.2 Rocky strata including Boulders.  |   |   |   |     |       |       |         |          |
|     | 2.2.2 25 mm dia.  |   |   |   |     | 50.00 | metre | 371.00  | 18550.00 |
| 29  | 21.3 Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.   |   |   |   |     |       |       |         |          |
|     | 3.2 125 mm nominal size dia.  |   |   |   |     | 30.00 | metre | 474.00  | 14220.00 |
| 30  | 21.5 Supplying, assembling, lowering and fixing in vertical position in bore well, ISI marked G.I. casing pipe (Plain) medium class in 4 to 7 meters length one end fitted with socket as per IS: 1239 (Part-1&Part-2) 1992 with IVth revision (Up-to-date amendments), of reputed & approved make, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge. |   |   |   |     |       |       |         |          |
|     | 5.2 125 mm nominal dia  |   |   |   |     | 30.00 | metre | 1131.00 | 33930.00 |
| 31  | 21.10 Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond  |   |   |   |     | 2.00  | Hour  | 654.00  | 1308.00  |

| REF | ITEM DESCRIPTION  | N | L | B | H/D | QTY   | UNIT  | RATE    | AMOUNT   |
|-----|---|---|---|---|-----|-------|-------|---------|----------|
|     | permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by \"V\" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge. |   |   |   |     |       |       |         |          |
| 32  | 21.11 Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of:  |   |   |   |     |       |       |         |          |
|     | 11.2 125 mm dia   |   |   |   |     | 30.00 | each  | 200.00  | 6000.00  |
| 33  | 21.12 Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.   |   |   |   |     |       |       |         |          |
|     | 12.2 125 mm clamp.  |   |   |   |     | 1.00  | each  | 1031.00 | 1031.00  |
| 34  | 21.16 Providing ISI Mark 32 mm dia G.I. ( B class) riser pipe and M.S. plunger rod in 3 meter length socketed on one end as per IS: 1239 ( Part I) 1990 with up to date amendments and socket as per IS: 2062/1990 up to date amendments.   |   |   |   |     | 45.00 | metre | 275.00  | 12375.00 |

| REF      | ITEM DESCRIPTION   | N | L      | B | H/D | QTY    | UNIT  | RATE    | AMOUNT   |
|----------|--|---|--------|---|-----|--------|-------|---------|----------|
| 15 21.17 | Carrying out the resistivity survey by VES method using Schlumberger configuration for locating the proper spot for drilling of tube well within the selected habitation, including photography, interpretation of resistivity data and submission of report in the desired format along with resistivity readings, necessary graph and photographs. (only successful point is payable)                |   |        |   |     | 1.00   | point | 1502.00 | 1502.00  |
| 36 22.1  | Trenching in ordinary soil upto a depth of 60cm including removal and stacking of serviceable materials and then disposing of by spreading and neatly leveling with in a lead of 50m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure). | 2 | 290.00 |   |     | 580.00 | cum   | 115.00  | 66700.00 |
| 37 22.2  | Supplying and stacking of good earth at site including royalty, loading, unloading and carriage upto 5 km (earth measured in stacks will be reduced by 20% for payment).   |   |        |   |     | 50.00  | cum   | 201.00  | 10050.00 |
| 38 22.4  | Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks   |   |        |   |     | 50.00  | cum   | 236.00  | 11800.00 |

| REF | ITEM DESCRIPTION   | N | L     | B     | H/D | QTY     | UNIT | RATE   | AMOUNT    |
|-----|--|---|-------|-------|-----|---------|------|--------|-----------|
|     | will be reduced by 8% for payment)   |   |       |       |     |         |      |        |           |
| 39  | 22.10 Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately).   |   |       |       |     |         |      |        |           |
|     | 10.2 In rows 7.5 cm apart in either direction.   | 2 | 50.00 | 30.00 |     | 3000.00 | sqm  | 3.80   | 11400.00  |
| 40  | 22.8 Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/ and good earth to be paid separately).  |   |       |       |     | 60.00   | cum  | 17.50  | 1050.00   |
| 41  | 22.14 Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) : |   |       |       |     |         |      |        |           |
|     | 14.1 Holes 1.2 m dia and 1.2 m deep.   |   |       |       |     | 450.00  | each | 274.00 | 123300.00 |
| 42  | 22.18 Making tree guard 53 cm dia. and 2 m high as per design from empty coal tar drums supplied free by the department including providing and fixing four legs 40 cm long of 30 x 3 mm M.S. flat riveted to tree guard and providing   |   |       |       |     |         |      |        |           |

| REF      | ITEM DESCRIPTION   | N | L     | B     | H/D | QTY    | UNIT | RATE   | AMOUNT    |
|----------|--|---|-------|-------|-----|--------|------|--------|-----------|
|          | and fixing 2 nos. M.S. sheet rings 50 x 0.5 mm with rivets complete in all respects including painting inside and outside of tree guard with :                 |   |       |       |     |        |      |        |           |
| 18.2     | Two or more coats of synthetic enamel paint of approved quality and shade over a priming coat.   |   |       |       |     |        | each | 473.00 |           |
| 43 22.25 | Providing and planting following herbs in garden including preparation of soil, base plantation, providing and spreading different fertilizers, soil and sand: |   |       |       |     |        |      |        |           |
| 25.1     | Hedges like Alife, Dorenta, Tikoma etc   |   |       |       |     | 150.00 | each | 14.00  | 2100.00   |
| 25.2     | Furn like Arica, China etc (3 year old)  |   |       |       |     | 150.00 | each | 125.00 | 18750.00  |
| 25.3     | Hibiscus (Flower)/ Rose  |   |       |       |     | 150.00 | each | 26.50  | 3975.00   |
| 25.4     | Carpet grass (well developed)  | 2 | 20.00 | 15.00 |     | 600.00 | sqm  | 263.00 | 157800.00 |

As per Estimate Amount Rs. 4964732.33

Say Rs. 49,64,000

Sub Engineer  
Nagar Palik Nigam  
Korba (C.G.)

Assistant Engineer  
Nagar Palik Nigam  
Korba (C.G.)

Executive Engineer  
Nagar Palik Nigam  
Korba (C.G.)