OFFICE OF THE EXECUTIVE ENGINEER (E&M)
KANPUR DEVELOPMENT AUTHORITY
MOTIJHEEL, KANPUR-208002

TENDER DOCUMENT

Name of work : External Electrification work at remaining part of Ispat Nagar Yojna Part-2, Kanpur.

Estimated Amount : Rs. 14.19 Lac

Tender document cost : Rs. 1575.00 (Including VAT)

Duration of work : 03 Months

Earnest Money : Rs. 0.29 Lac

Name of Contractor : ————

Date of Tender : 30.12.2016 up to 3:00 PM in the tender box at Vice Chairman/Secretary/Additional Secretary/Superintending Engineer office.

Date of Opening : 3:30 PM on date of Tender

Total No. of Pages : 05 (Five)

J.E.(E&M) A.E.(E&M) E.E.(E&M)
### External Electrification work at remaining part of Ispat Nagar Yojna Part-2, Kanpur.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Item</th>
<th>Unit</th>
<th>Qty.</th>
<th>Rate (in ₹)</th>
<th>Amount (in ₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S/E of S.T. pole 9.50mtr long designated 410-SP-38 including base plate in 1:3:6 c.c. foundation excavation 1/6 of pole length below G.L. and 30cm above G.L. 20cm thick around the pole and back filling etc. complete in all respects as per direction of E/Ic SI.No.618/2016.</td>
<td>Nos.</td>
<td>30</td>
<td>14181.00</td>
<td>425430.00</td>
</tr>
<tr>
<td>2</td>
<td>S/E of S.T. pole 9.00mtr long designated 410-SP-32 including base plate in 1:3:6 c.c. foundation excavation 1/6 of pole length below G.L. and 30cm above G.L. 20cm thick around the pole and back filling etc. complete in all respects as per direction of E/Ic SI.No.613/2016.</td>
<td>Nos.</td>
<td>2</td>
<td>13542.00</td>
<td>27084.00</td>
</tr>
<tr>
<td>3</td>
<td>S/E of stay set at 3.5mtr away from the pole with galvanized 19mm dia 1.8 mtr long stay rod 30cmx30cmx6.3mm anchor plate thimble stay clamp stay insulator 19mmx600mm double screw tightener 7/3.5mm G.I. stay wire etc. in 1:3:6 C.C. in all respects. SI.No. 631/16.</td>
<td>Nos.</td>
<td>18</td>
<td>2603.00</td>
<td>46854.00</td>
</tr>
<tr>
<td>4</td>
<td>S/L of following size of Arial bunch cable 1100 V grade XLPE insulated KESCo. approved make confirming to latest relevant specification on steel/PCC supports including binding jumpering sagging and cost of material labour T&amp;P etc required for proper completion of work as per direction of E/I. Make Nikkon, RR Kable &amp; Polycab. (a) (3Cx95+1x70+1x16) sq.mm. (PSR)</td>
<td>Rmt.</td>
<td>1000</td>
<td>275.00</td>
<td>275000.00</td>
</tr>
<tr>
<td></td>
<td>(b) (1CX35) sq.mm for jumpering. (PSR)</td>
<td>Rmt.</td>
<td>200</td>
<td>87.00</td>
<td>17400.00</td>
</tr>
<tr>
<td>5</td>
<td>S/F of suspension type clamp made of AL alloy and shall be capable of holding Al alloy messenger wire of compacted dia. The eye hook shall be made of forged or mild steel the clamp shall be provided with black weather resistant plastic coating of at least 1mm thickness to prevent insulation of phase conductor from chafing due to rubbing against the clamp it shall provided sufficient flexibility to allow the movement of clamp at both, straight and angle location its hard ware shall have good finished and all ferrous fittings eye hook bolts nut and washer shall be galvanized with zinc and it also includes all the cost of material labour T&amp;P etc required for proper completion of work. A.R. (PSR)</td>
<td>Nos.</td>
<td>25</td>
<td>300.00</td>
<td>7500.00</td>
</tr>
<tr>
<td>6</td>
<td>S/F of dead end clamp made of high strength AL alloy and U-bar shall be made of hot dip galvanized steel and eye hook of forged steel or mild steel clamp shall be suitable messenger wire all ferrous fitting eye hook bolt, nut and washer shall be galvanized with zinc including the cost of material labour T&amp;P etc required for proper completion of work. A.R (PSR)</td>
<td>Nos.</td>
<td>10</td>
<td>300.00</td>
<td>3000.00</td>
</tr>
<tr>
<td>7</td>
<td>S/F of piercing connector made of AL alloy suitable of holding main conductor/tap conductor of compacted diameter the connector shall be covered by the black weather resistant insulation cover made of polyethylene at least 2m thick to avoid short circuit and corrosion including the cost of material labour T&amp;P etc for proper completion of work. (PSR)</td>
<td>Nos.</td>
<td>130</td>
<td>282.00</td>
<td>36660.00</td>
</tr>
<tr>
<td>8</td>
<td>S/F of distribution board box for 3 phase ten way connection made of fiber sheet 450x300x200mm size complete with bus bar 25x5mm, neutral bus bar 20x5mm, along with clamps holes etc including the cost of material labour T&amp;P etc for proper completion of work. A.R.</td>
<td>Nos.</td>
<td>30</td>
<td>1977.00</td>
<td>59310.00</td>
</tr>
<tr>
<td>9</td>
<td>S/F of following size palm or pin type copper tin plated cable socket (Lug) to the cable lead insulating with tape and making connections complete in all respects as per direction of E/Inch.SI.No.504/16. (a) 95 Sq. mm</td>
<td>Nos.</td>
<td>6</td>
<td>109.00</td>
<td>654.00</td>
</tr>
<tr>
<td></td>
<td>(b) 70 Sq. mm</td>
<td>Nos.</td>
<td>2</td>
<td>80.00</td>
<td>160.00</td>
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<tr>
<td></td>
<td>(c) 35 Sq. mm</td>
<td>Nos.</td>
<td>120</td>
<td>32.00</td>
<td>3840.00</td>
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<tr>
<td></td>
<td>(d) 16 Sq. mm</td>
<td>Nos.</td>
<td>10</td>
<td>21.00</td>
<td>210.00</td>
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<tr>
<td>10</td>
<td>Painting of the electric pole with 2 coats of AL' paint over red oxide primer complete in all respects SI.No.634/16.</td>
<td>Nos.</td>
<td>32</td>
<td>274.00</td>
<td>8768.00</td>
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<tr>
<td></td>
<td>Description</td>
<td>Quantity</td>
<td>Unit Rate</td>
<td>Total Rate</td>
<td></td>
</tr>
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<tr>
<td>11</td>
<td>Numbering of pole with making yellow colour black of size 6&quot;x6&quot; and numbering with black color paint over yellow color 2&quot; and as approval of E/Inch. (PSR)</td>
<td>32</td>
<td>Nos.</td>
<td>10.00</td>
<td>320.00</td>
</tr>
<tr>
<td>12</td>
<td>S/B of earth rod 20mm dia into 2.5mtr long including G.I. wire 7/16 SWG to connect earth rod to earth clamp on pole 3.00 mtr long steel conduit to carry earth wire along the pole. (PSR)</td>
<td>8</td>
<td>Nos.</td>
<td>379.00</td>
<td>3032.00</td>
</tr>
<tr>
<td>13</td>
<td>S/F of LED Street Light Fitting having die cast aluminium body and diffuser with driver set suitable for 75 to 90 watt. Confirming to IP 65 and above protection complete in all respect as per direction of E/I. Sl. No. 1423/2016 Cat. AAA. Make: - Philips, Havells.</td>
<td>30</td>
<td>Nos.</td>
<td>16260.00</td>
<td>487800.00</td>
</tr>
<tr>
<td>14</td>
<td>S/F of 63 Amp 415 V metal clad TPN rewirable type switch fuse unit on angle iron bracket/Pole complete in all respects as per direction of E/I. Sl. No. 316/16. CAT-B.</td>
<td>02</td>
<td>Nos.</td>
<td>3830.00</td>
<td>7660.00</td>
</tr>
<tr>
<td>15</td>
<td>S/L of “Al” conductor P.V.C. insulated armoured served sheathed cable 1100V grade at a depth of 750mm. Below ground level over a cushion of 75mm. Thick sand around and protected with burnt bricks on side an top on surface the cable run shall be fixed on MS clamp of suitable size or as direction of E/I. complete in all respects. (Make Havells, Gloster &amp; Polycab) (Sl.No. 501/16) (a) 10 Sq mm x 2 core</td>
<td>30</td>
<td>Rmt</td>
<td>277.00</td>
<td>8310.00</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total Rs.</td>
<td>14,18,992.00</td>
</tr>
</tbody>
</table>

**GENERAL TERMS & CONDITIONS**

1. Contractor should be having ‘A’ class approved / ‘A’ class license issued by chief electrical inspector, directorate of electrical safety U.P. Govt. He has to furnish its credential for carrying out these works. Self attested Photocopy of the license should also be enclosed with the tender documents.

2. The tender will be accepted only of that Electrical Firm which is registered in K.D.A. for Electrical Works.

3. For all Electrical works the Tenderer will be eligible to participate as per his registered class/category in K.D.A.

4. Final payment shall be given to the contractor after successful testing and handing over the work to the concerned maintenance agency (As KESCo. and Nagar Nigam Kanpur).

5. The responsibility of the maintenance of work till its handing over to the concerned agency (As KESCo. & Nagar Nigam Kanpur) shall be of the contractor for which no extra payment shall be made.

6. The watch and ward at the site during storing and fixing of the material shall be arranged by the contractor till the handing over to the KESCo. and Nagar Nigam, Kanpur.

7. The validity of tender will be 3 months from the date of opening of the tender.

**Special Conditions And General Specification Instructions For Electrification Works**

No extra cost or claim will be admissible for following these general specification instructions and special conditions. The following should therefore be thoroughly studied and taken into account by the contractor before tendering and also signing the agreement of the work.

1. All the work shall be carried out as per latest Indian Electricity Rules.

2. All the fixtures to be used in the work shall be as per drawing or specification.

3. The contractor must visit site and office and understand the work and specifications before tendering.

4. The contractor shall store only such material at site which are to be used in this work. Material which are not to be used in this work or material of inferior quality shall not be stored at site without written permission of the Engineer In-charge.

5. No assurance is given for providing free storage place to the contractor. No payment for storage shall be payable to contractor. He may have to make his own storage arrangements at his own cost.

6. The contractor shall co-operate and help in handing over to KESCo./UPPCL/Nagar Nigam.

7. Quantity of materials in BOQ are approximate which may vary on either side up to an extent during execution of work. This shall not effect the tendered rates.

8. The department is not responsible for arranging any material what so ever. Non availability of material or delay in consignment will not be entertained as an excuse for extension of time for completion of work.

9. Tender will remain open for consideration up to three months from the date of tender. The tenderer will have no right to revise the tender rates within this period. However the department may negotiate in this context.

10. General maintenance period related to any manufacturing defect in the installed materials shall be 18 months and for Transformers it shall be 36 months from the date of handing over to KESCo./UPPCL/Nagar Nigam. During
this period contractor will remove all defects and lapses pointed out by these departments from time to time, for this no extra payment shall be made.

11. The contractor shall take care that while construction of lines and sub-stations, the Indian Electricity Rules are followed in respect of clearance, safety, sag etc. The sag should be as per I.S.S. and to the satisfaction of engineer in charge.

12. After completion of work, the portion of civil development work dismantled during the erection or installation shall be repaired properly to original finish and color by the contractor on his own cost.

13. All the times work should be executed as per drawing and if in any case drawing is not available final decision of the executive engineer in-charge of the work will have to be accepted by the contractor.

14. Final payment shall be done after the work is handed over to KESCo./UPPCL/Nagar Nigam. Final Security 05% (except 10% cost of transformers) shall be released after general maintenance period (18 months for all materials of line) is over. 10% cost of Transformer will be released after 36 months from the date of handing over to KESCo./UPPCL. This condition replaces the conditions stated in clause No. 18 of the general conditions of the contract.

15. The contractor will have to complete all the work within the time allowed. By the way due to any unavoidable circumstances if the contractor requires extension of time, he shall apply to the Executive Engineer in writing giving full details of reasons for granting the extension of time. Time extension shall be granted with or without penalty, as the case may be, as per rules.

16. Transformers/HT Cables or any other fixture, if needed, shall be inspected and tested at factory, before dispatch, by the executive engineer in-charge or by any other engineer designated by him. Necessary arrangements for such inspection and testing shall be done by contractor at his own cost.

17. Whenever the shut down is required from KESCo./UPPCL, the contractor shall obtain shut down with the help of concerned junior engineer of Kanpur Development Authority.

18. The contractor shall be fully responsible for any harm or damage to his men or his materials or property and damage of third party or KDA property caused by him during the work. If any theft or any untoward incident occurs during execution of work, the contractor shall be responsible to report the incident to the nearest police station. No claim for any theft or loss or damage of material shall be given by KDA till it is handed over to KESCo./UPPCL/Nagar Nigam.

19. The contractor shall provide, at all times, sufficient notes and caution boards, light and watchman to protect and warn the public and guard the work till it is handed over to KESCo./UPPCL/Nagar Nigam.

20. The contractor will also maintain first aid box etc, at site of work and follow rules applicable for electrical safety from time to time.

21. During operation and maintenance period responsibility of security and safety of all installed materials shall be of contractor and for this no claim shall be admissible. Final payment shall be done after the “operation and maintenance” period is over and the work is handed over to KESCo and Nagar Nigam Kanpur.
6. The contract work will be performed in accordance with the specifications and drawings provided by the
Project Engineer. All work will be executed according to the contract specifications.

7. उत्तर प्रदेश के भारत के भारतनाड़ी गंगा जल विभाग 622/23–12–2012–2 आडिट/08 टीसीसी दिनांक 08.06.2012 के
अनुसार मैं निभाया ने वाले निर्देशादान के 10 प्रतिशत तल मित्तल्दर पर 0.50 प्रतिशत तत्प्रति 1 प्रतिशत
तल कम दर पर तथा 10 प्रतिशत से अधिक मित्तल दर पर 1.00 प्रतिशत तत्प्रति 1 प्रतिशत तल कम दर पर अतिरिक्त
स्वयंकरित मनी जमा करनी अनिवार्य होगी।

J.E. (E&M)     A.E. (E&M)     E.E. (E&M)

Signature of Contractor & Address

CERTIFICATE

1. I/We registered as a ……………class contractor of Kanpur Development Authority and also have A/A
   class approved license from electrical inspector to the U.P Government for the work of electrical work
   for the current year and I/We are authorized to tender for this work according to registration.

2. I/We have deposited the earnest money as detailed below F.D.R./N.S.C..............................
   ................................................... ................................................... .....................DATE..........................
   Rs........................................... ................................................... ................................................... ..........

3. I/We hereby agree to execute the above work @ of (In Words …………………………………… ……
   ………………………………… ................................................... ..................................% above / below (In
   Figure............................................. ................................................... ....................................Above / below
   the above mentioned estimated rate based on prevalent Schedules.

OPENED BY ME       CONTRACTOR

J.E. (E&M)     A.E. (E&M)     E.E. (E&M)     C.E.

F.C.          Sec.