REWINDING OF LT MOTORS AND ELECTRICAL EQUIPMENTS AT UCIL BAGJATA MINES
N.I.T. NO. MINES/ELECT/BJT/2/2019

URANIUM CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)
JADUGUDA MINES
P.O. JADUGUDA MINES - 832102
Dist. Singhbhum (E), Jharkhand

TENDER DOCUMENT

Sub. – ANNUAL RATE CONTRACT FOR REWINDING OF LT MOTORS AND ELECTRICAL EQUIPMENTS AT UCIL BAGJATA MINES

N.I.T. NO. MINES/ELECT/BJT/2/2019
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SECTION – I

NOTICE INVITING TENDER
Sealed tenders in prescribed format are invited in two parts i.e. Part-I: Techno-Commercial Part and Part-II: Price Part (Schedule of quantity in triplicate, one original plus two photo copies of the same) from contractors having following pre-qualification criteria:

1. Contractors should have job experience for rewinding of LT motors, 415 volts AC and other electrical equipments during last 7 years. Work order copies along with completion certificate are required to be submitted.
2. Lowest rate for any item of any qualified bidder will have to be accepted by all the qualified bidders and the bidder should submit an acceptance letter regarding this.
3. The bidder should have successfully completed the similar jobs which are defined at Sl. No.1 for not less than Rs.200,000/- in single contract or not less than Rs.125,000/- each in two contracts or not less than Rs.100,000/- each in three contracts during last 7 years ending last day of month previous to the one in which applications are invited.
4. The annual average turnover of the bidder should not be less than Rs.75,000/- in last 3 financial years. Audited balance sheet, statement of profit and loss account / ITR return of last three financial years must be submitted.

Similar job means rewinding of LT motors, 415 volts AC and other electrical equipments upto 415 volts.

<table>
<thead>
<tr>
<th>Name of work</th>
<th>Annual rate contract for Rewinding of LT motors and other electrical equipments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Value of work</td>
<td>Rs.2,50,000.00</td>
</tr>
<tr>
<td>Period of contract</td>
<td>Twelve months</td>
</tr>
<tr>
<td>Cost of tender document</td>
<td>Rs. Nil</td>
</tr>
<tr>
<td>EMD to be deposited with tender</td>
<td>Rs. 5,000.00 in DD. Rs.: Nil for MSME subject to submission of valid documentary proof</td>
</tr>
<tr>
<td>Last Date for submission of tender document (Both parts)</td>
<td>16.01.2020 up to 3.00 p.m.</td>
</tr>
<tr>
<td>Date and time of opening of tender Part-I</td>
<td>16.01.2020 at 3.30 p.m.</td>
</tr>
<tr>
<td>Date of opening of Part-II</td>
<td>Shall be intimated to only those bidders who qualify in Part-I, later on.</td>
</tr>
</tbody>
</table>

This N.I.T and Tender document shall be downloaded from UCIL E-PROC site http://www.tenderwizard.com/UCIL E-PROC on or before due date fixed for receiving the bid. Tenders complete in all respect should be submitted at UCIL E-PROC site. Physical submission of tender shall not be accepted. The cost of tender document shall be paid through downloaded SBI challan from UCIL website www.uraniuncorp.in.

Tenderers registered with NSIC, SSI and MSME for the tendered work shall be exempted from submission of cost of tender document and EMD subject to submission of authenticated valid document at UCIL E-PROC site.

Copy of the cost of tender document (UCIL copy), and EMD shall be uploaded on UCIL E-PROC site. All other documents pertaining to prequalification criteria: work order copy, balance sheet, Profit & loss statement ,completion certificate etc and PAN,GSTIN etc shall have to be uploaded on UCIL E-PROC site http://www.tenderwizard.com/UCIL E-PROC.

The hard copies of cost of tender document paid through downloaded SBI challan (UCIL copy) and EMD should be sent to the office of DGM (I/P) Jaduguda so as to reach at 3.00 pm on 16.01.2020, superscribing on the envelop, NIT No. and name of the work. Tender will be opened on mentioned date at 3.30 p.m at Jaduguda by the representative(s) of the corporation in presence of tenderers who may like to be present.

Conditional tender may disqualify so tenderers are advised to quote price as per NIT conditions only.
The successful tenderer should comply with provision of contract Labour (Regulation & Abolition) Act. 1970 and rule appended there under if applicable to him. The Corporation reserves the right to accept or reject or cancel any or all tender either in full or part thereof or to split-up the work, if necessary without assigning any reasons whatsoever.

For Uranium Corporation of India Limited.
Jaduguda Mines

ITEM RATE TENDER FOR

ANNUAL RATE CONTRACT FOR REWINDING OF LT MOTORS and ELECTRICAL EQUIPMENTS

1. To be deposited in the tender box at the office of DGM (P & IRs.) Jaduguda by 15.00 hours on 16/01/2020.
2. Tender will be opened in the presence of Tenderers who may like to be present at 15.30 hours on 16.01.2020.
SECTION – II

DETAILED NOTICE INVITING TENDER
1. Sealed item rate contract tenders are invited for rewinding of LT motors, 415 volts AC, welding machines, transformer and other electrical equipments of Bagjata Mines.

2. The tender shall be in prescribed Form and it shall be valid for a minimum of six months from the date of opening of tender. If the tenderer modify or withdraw his tender within the said period of six months from the date of opening the tender, Earnest Money deposited by the tenderer shall be forfeited.

3. The works are required to be carried out as given in the Special conditions of Contract from the seventh day after the date on which the Engineer-in-charge issues written orders to commence the work or from the date of handing over of the site, whichever is later, in accordance with the phasing, if any indicated by the Corporation in the tender documents.

4. Tender documents shall be submitted to DGM (P&IR), Jaduguda so as to reach his office not later than 16.01.2020 up to 3.00 noon.

5. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of considerations and rates at which stores, tools and plants, etc. will be issued to him by the corporation and local conditions and other factors bearing on the execution of the work.

6. A tenderer should quote in figures as well as in words rate (rates) tenderer. The amount for each item should be worked out and the requisite totals given. Special care shall be taken to write rates in figures as well as words, and the amounts in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words.

In case of words ‘Paisa’ after the decimal figures, e.g. Rs.2.15p and in case of work the words ‘Rupees’ should precede and the words ‘Paisa’ should be written at the end unless the rate is in whole rupees and followed by words ‘only’ it should invariably be up to place of decimal.

7. All rates shall be quoted on the tender form in triplicate.
8. In the case of item rate tender, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected.

9. The tender for the works shall not be witnesses by a contractor or contractors who himself/themselves has/have tendered for the same works. Failure to observe this condition shall render the tender of the contractor tendering as well as of those witnessing the tender liable to rejection.

10. Tenders shall be received by DGM (P&IR) up to 3.00 PM on the 16.01.2020 and shall be opened at 3.30 PM on same date in the presence of tenderers who may be present.

11. The tender shall be accompanied by Earnest Money of Rs. 5000/- (Rs. Five thousand only) in the form of DD in favour of Uranium Corporation of India Limited, Jaduguda payable at State Bank of India, Jaduguda.

12. The Uranium Corporation of India Limited, Jaduguda is connected by both rail and road links and situated on the Howrah – Mumbai line of S.E. Railway at a distance of 232KM, from Howrah and 27 KM from Tatanagar. The name of the railway station is Rakha Mines. Jaduguda is at a distance of about 35 KM from Tata by road on Tata – Musaboni road, the main plant is located at about 5 KM from Rakha Mines Railway station.

13. Uranium Corporation of India Limited, Jaduguda will return the Earnest Money without any interest to unsuccessful tenderer. A tenderer shall submit the tender which satisfied each and every condition laid down in this notice, failing which, the tender will be liable to be rejected.

14. The corporation does not bind themselves to accept the lowest or to give any reasons for their decision.

15. The corporation reserve to themselves the right of accepting the whole nor any part of the tender and tenderer shall be bound to perform the same at quoted rates.

16. Sales tax or any other tax on materials in respect of this contract shall be payable by the contractor and the corporation will not entertain any claim whatsoever in this respect.

This notice of tender shall form part of the contract documents.

For Uranium Corporation Of India Limited.
SECTION – III

FORMS OF TENDER
FORM OF TENDER

To
M/s. Uranium Corporation of India Limited,
P.O. Jaduguda Mines,
Dist. Singhbhum (East),
Jharkhand – 832102

Dear Sir,

I/We, the undersigned hereby submit, the tender document for the work as above and hereby undertake to execute the complete works as set forth in the Scope of the Work, Technical Specifications, Special Conditions of contract, General Conditions of Contract or in default thereof to forfeit any, pay to Uranium Corporation of India Limited, the sum of money mentioned in the relevant Tender Documents.

I/We agreed to abide by this tender for the period of ______________ months from the date fixed for the opening of the same and in default agree that the amount of Earnest Money along with this Tender may be forfeited.

I/We undertake to complete the whole works covered under this tender within a period of ______________ months from the date of Letter of Acceptance.

I/We have deposited the earnest money a sum of Rs. ________________ in shape of ________________ which amount is not to bear any interest and I/We do hereby agree that this sum shall be forfeited by Uranium Corporation of India Limited in the event of accepting my/our tender I/We fail to execute the Contract when called upon to do so.

If this tender is accepted, I/we shall deposit the sum to constitute the Security Deposit required by the relevant terms of the contract.

I/We also undertake, as required to enter into a Contract with Uranium Corporation of India Limited by executing an Agreement in the prescribed Contract Agreement Form enclosed along with this Tender Document and till such time the Agreement be not executed, we shall be bound by the terms and conditions of the Tender Document and subsequent letter, minutes of discussions and letter of acceptance.

(Signature of Tenderer with seal)

Name :

Address of the Firm :

Dated :
SECTION – IV

ARTICLES OF AGREEMENT
ARTICLES OF AGREEMENT

Articles of Agreement made and entered into this __________________________ day of
_______________________________ 2015 between

(hereinafter referred to as the Corporation which expression shall include its successors and assigns) of the one part and Messrs.

(hereinafter referred to as Contractor which expression shall include its successors and assigns of the other part whereas the Corporation is desirous that certain works should be constructed viz.

____

__________________________________________ and has accepted a tender by the Contractor for the construction completion and maintenance of such works NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement works and expression shall have the same meanings as are respectively assigned to them in the General Conditions and Special Conditions of Contract hereinafter referred to.

2. The following documents shall be deemed to form and be read and constructed as part of this agreement, viz:

   a. Tender Notice No. ___________________________ dated ____________

   b. The Tender

   c. The General Conditions of Contract.

   d. The Specifications.

   e. The Special Conditions.

   f. The Schedule of Quantities.

   g. General Information and Guidance for Tenderers.

   h. Any other document specifically mentioned herein as forming a part of the Agreement.

3. In consideration of the Payments to be made by the Corporation to the contractor as hereinafter mentioned, the contractor hereby covenants with the corporation to construct, complete and maintain the works is conformity in all respects with the provisions of the contract.
4. The Corporation hereby covenants to pay to the contractor in consideration of the construction completion and maintenance of the works the contract price at the times and in the manner, prescribed by the Contract.

5. The several parts of this contract have been read to us and fully understood by us.

AS WITNESS OUR hand this __________________________ day of __________________________ 20__________ signed by the said.

__________________________________________________

Uranium Corporation Of India Limited

________________________________

________________________________

In the presence of

________________________________

Signed by the said Contractor

________________________________

In the presence of
SECTION –V

GENERAL INFORMATION AND GUIDANCE FOR CONTRACTOR
GENERAL INFORMATION AND GUIDANCE FOR CONTRACTOR

1. Rates:
The tenderers are required to quote the rates against all items of the schedule of quantities in words and figures clearly in duplicate (2nd & 3rd copies shall necessarily be Xerox/carbon copy of the original) failure in this respect is liable to render the tender incomplete.

2. If any clarifications regarding specifications, conditions of contract etc. or schedule of quantities is required, the same can be obtained by the Tenderer from the Uranium Corporation Of India Limited.

3. In the event of the tender being submitted by a firm (Partnership) it must be signed separately by each member thereof, or in the event of the absence of any partner it must be signed on his behalf by a person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the India Partnership Act.

4. Receipts for payments on account of a work when executed by a firm (Partnership) must also be signed by the several partners except where the contractors are described in their tender as a firm in which case the receipts musty be signed in the name of the firm by one of the partners, or by some other persons having authority to give effectual receipts for the firm.

5. Any person who submits a tender shall fill up the usual prescribed form stating at what rate he is willing to undertake each item of the work. The quantities shown therein are approximate only, being given as an indication of the scope of the work to enable the Tenderer to tender for the different portions of the work in accordance with his estimate of their cost, so that in the event of any increase or decrease in the quantity of any item of the work the actual quantities executed may be paid for at the rate stated for the particular item of work subject only to any adjustments that may be provided for in the General Conditions. It is to be clearly understood that no work will be paid for under more then one item or than once under any item.

6. The tenderer is required to deposit as Earnest Money Rs. 5000/- (Rs. Five thousand only) in any of the following forms and attach the official receipt thereof failing which the tenderer shall not be considered. No interest shall be allowed on the earnest money deposited.

(a) DD in favour of the Uranium Corporation of India Limited Payable at State Bank of India, Jaduguda. The earnest money will be refunded to the unsuccessful tenderers within a reasonable time without any interest.

7. Security Deposit:
The amount of Security Deposit including the amount of EMD money shall be 10% of the value of the order. Upon acceptance of the tender, the successful tenderer, shall within ten days of the written acceptance of his tender, deposit with the Corporation an amount to make the security Deposit 5% (five percent) of the value of the work order. Such sum shall be deposited by the contractor in any forms stipulated in clause-6 above.
In addition to the above, further amounts to extent of 5% of the cost of the work will be deducted from the running bills by way of percentage deductions, such percentage deduction shall be 5% of the running monthly bills till the full amount of security deposit is retained by the corporation.

8. If after the tender has been accepted, the tenderer fails to pay the security deposit as Specified above, after written notice to him of such acceptance, the sum deposited by him as Earnest Money may be forfeited. The tenderer shall not be allowed to increase, amend or withdraw his tender within six months (the validity period of the offer) from the date of opening of the tender and if he does so the Earnest Money may be forfeited.

The officer inviting tenders shall have the right to reject all or any of the tenders, and will not be bound to accept the lowest.

9. The memorandum, the form of tender and the schedule of materials to be supplied by the corporation and their issue rates should be filled and completed in the office of the Corporation before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in, and complete he shall request corporation to have this done before he complete and delivers his tender.

10. The tenderer shall furnish satisfactory evidence that he has a true appreciation of the scope of the work, the ability and experience to perform the various clauses of work involved, and that he has sufficient capital and plant to enable him to prosecute to same successfully and to complete it in the time named in the contract. In compliance with this, the tenderer shall along with tender furnish a list of major works executed by him during three previous years, the Bank with which he has dealings, the Bankers certificate a copy of the profit and loss account and balance sheet for the year proceeding the year in which the tender shall be submitted and income tax and sales tax clearance certificate, for the latest year.

11. Each of the tender document is required to be signed by the person or persons submitting the tender in his/their hand writing in token of his/their having acquainted himself/themselves with the General Conditions of Contract, General Specification, Special Conditions etc. as laid down. Any tender with any of the documents not so signed will be liable to rejection.

12. The tender form must be filled in English and all entries must be made by handwritten in ink. All the rate must be filled both in words and figures. If any of the documents is missing or unsigned, the tender will be considered invalid. All erasures and alterations made while filling the tender must be attested by dated initials of the tenderer. Over writing of figures is not permitted to comply with any of these conditions after the opening of the tender will be entertained.

13. Item rates should be submitted in triplicate, for this purpose no extra copies of schedule of quantities are enclosed.

14. All pages of the tenderers offer,drawing and other accompanying documents shall be signed with company seal at the lower right corner in ink only and signed where required by the tenderer or any person holding power of attorney authorizing his sign on behalf of tenderer before submission of tenderer. All signature shall be dated as token of acceptance of
the tenderer document.

15. Commencement of work :-
   Work will commence within 2 (two) weeks from the date of issue of work order.

16. Completion period of contract :- As mentioned in special conditions of contract.

17. Payment :-

   Bill (s) will be paid as mentioned in clause “Payment Terms” of the special conditions of
   contract, scope of work etc. of contract document. Payment will be released after satisfactory
   completion of the work in all respect and certification by the Engineer Incharge, UCIL within
   30 days of submission of clear bill(s) in 3 (three) copies in tenderer’s letter head. Contractor
   shall also mention work order no., date as well as name of work and actual date of
   commencement of work in their every bill (s).

18. Validity :-

   The offer should remain valid for a minimum period of 06 (three) months from the date of
   opening of the final price part. The Tenderers shall not be allowed to increase, amend or
   withdraw his tender within this period and if he does so the earnest money deposit and
   security deposit may be forfeited.

19. Contract Agreement :-

   Contract Agreement should be executed in prescribed format on a non-judicial stamped
   paper within 2 (two) weeks from the date of issue of work order / L.O.I. However, no
   payment will be made without execution of contract agreement.

20. GST: Extra as applicable

21. Price Escalation :-

   No escalation on any account shall be payable and price quoted shall be firm till completion
   of the work under this contract.

22. Validity :-

   The offer should remain valid for a minimum period of 06 (three) months from the date of
   opening of the final price part. The Tenderers shall not be allowed to increase, amend or
   withdraw his tender within this period and if he does so the earnest money deposit and
   security deposit may be forfeited.

23. Contract Agreement :-

   Contract Agreement should be executed in prescribed format on a non-judicial stamped
   paper within 2 (two) weeks from the date of issue of work order / L.O.I. However, no
   payment will be made without execution of contract agreement.

24. The eligibility be decided strictly based on documents submitted at the time of receipt of
   tenders. No additional documents be allowed to be submitted after receipt of tenders but
   there is no bar to seek clarification or authentication of submitted documents. However in
case of poor response, with a view to increase the competition, admission of additional documents to meet the PQ-Criteria may be allowed subject to the condition that

a) “Poor response” implies when less than three bids are found suitable on the basis of submitted eligible documents as per NIT.

b) The additional documents should not be issued subsequent to last date of receipt of tender as mentioned in the NIT.

c) The bidder submitting additional documents has submitted EMD and tender cost as prescribed in NIT.
SECTION –VI

SPECIAL CONDITIONS OF CONTRACT
SPECIAL CONDITIONS OF CONTRACT

1. **Period of Contract**:
The period of contract shall be for twelve (12) months from the date of issue of LOI/Work Order whichever is earlier and is further extendable by another three months at agreed rates and terms & conditions at the sole discretion of UCIL.

(i) **Rate**:
Rate will be firm during the period of contract and no escalation in rate shall be permissible during contract period.

Rate quoted by bidder shall be inclusive of all taxes except GST. The bidder is required to mention the applicable rate of GST thereon as on their submitted bid / offer. GST thereon shall be paid as per the rate mentioned by the bidder in their offer on submission of invoice(s).

(ii) **L1 party decision**: Since this is a rate contract and there are 26 items, lowest rate (L1) for any item of any qualified bidder will have to be accepted by all the qualified bidders as already mentioned in PQC. Those bidders who will not accept the lowest rate of any bidders shall be disqualified. Work order shall be placed to all such lowest bidders for the whole work order value.

(iii). **Payment Term**: Within 30 days of receipt of bill and after acceptance / successful trial run of LT equipments at our workshop.

(iv) **GST**: Quoted rates should be exclusive of GST.

The contractors has to strictly use following recommended makes material for respective items:

a) Winding wire : Polyestor based super enamelled copper wire.

b) Insulating material : Minilex, Myler, Glass tape

c) Insulating Varnish : Beck Elmo Luft 1A Air Dry

d) Insulation class : F
2. **Guarantee period & Defect liability period / LD**: 

The rewound motor/other equipments shall be guaranteed for a period of six months from the date of delivery at UCIL. In case of failure of the repaired within guarantee period the Contractor will have to repair it free of cost.

**LD:** If the motor is not repaired within 30 days, an amount of .5% per week delay will be charged and to a maximum of 5% for a delay of 10 weeks, beyond 10 weeks the order will be cancelled. The defect liability period for the contract will be SIX month from the date of completion of the total contract. Decision of Engineer In Charge will be final & binding to the Contractor.

3. **Repairing period**: Maximum 30 days from the date of delivery at your workshops.

4. **Transportation**: Safe transportation of faulty equipment from Bagjata Mines premises to bidders workshop and transportation of repaired / rewound equipment from bidders workshop to Bagjata Mines premises is in the scope of the Bidder. Loading & unloading, handling of the motors / equipments will be the scope of the tenderer.

5. **Scrap Copper**: Shall be retained by successful bidder. It shall be adjusted in quoted rate by the bidder.

6. **Safety and security of the motor / electrical equipments**: 

The contractor will be required to submit an indemnity bond against any loss / damage of motors / equipments in their custody.

The special conditions given in this section shall supersede the conditions given elsewhere in these documents.
SECTION –VII

TECHNICAL SPECIFICATION
SCOPE OF WORK:

Scope of work shall be Loading, Transportation, Unloading, Handling, rewinding / repairing of LT equipments of Bagjata Mine as detailed below. It also includes supply of all materials likes winding wires, insulation varnish, insulating material, sleeves etc. required for above work.

TECHNICAL SPECIFICATIONS

It will be the responsibility of the contractor to work as per the technical specifications given in the following paragraphs.

Location

Bagjata Mines is located 30 km East of Jaduguda Mines and 11 km East of Mosabani Mines in the Singhbhum East district of Jharkhand State.

1. Rewinding /repairing of LT Motors

A. STATOR

(i) Stripping of the old winding from the stator slots.

(ii) Cleaning of the slots.

(iii) Insulation paper of class - F to be provided for slot insulation also between phase to phase winding.

(iv) Rewinding of stator with super enameled copper wire of above prescribed make.

(v) Termination of leads in the junction box with proper capacity of copper lugs.

(vi) Pre-heating of complete rewound stator winding.

(vii) Proper type of tapping of overhang portion of motor winding with insulating material

(viii) Two coats of Dr. Back make class F varnish on the stator winding is to be done.

(ix) Checking of IR values on stator winding and continuity of windings.

B. ROTOR

(i) Cleaning / checking of rotor for electrical faults.

(ii) Cleaning of motor bearings checking their healthiness.

(iii) Replacement of defective bearings (bearing will be supplied by UCIL)

(iv) Greasing of motor bearings

(v) Assembly of motor including fans and guards. To ensure complete healthiness of motor both electrically and for mechanical parts small missing items like bolts etc. is to be provided by the repairing firm.

2. Rewinding /repairing of LT lighting transformers & control transformers/welding machines
REWINDING OF LT MOTORS AND ELECTRICAL EQUIPMENTS AT UCIL BAGJATA MINES
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(i) Stripping of burnt coils from core.

(ii) Cleaning of core.
    Rewinding of coils with copper wire of gauge size same to burnt coil.

(iii) Proper type of tapping of winding with insulating material as marked in the transformer.
(iv) Termination of leads in the junction box with proper capacity of copper lugs.

(v) Pre-heating of complete rewound transformer winding.

(vi) Two coats of Dr. Beck make class F varnish on the winding is to be done.
    Stamping of the core should be checked.
SECTION - VIII

PRICE FORMAT
### REWINDING OF LT MOTORS AND ELECTRICAL EQUIPMENTS AT UCIL BAGJATA MINES
N.I.T. NO. MINES/ELECT/BJT/2/2019

**SCHEDULE OF RATE**

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Description of Motors</th>
<th>Rate in figure</th>
<th>Rate in words</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 HP, 415V, 3 Ph, 1450/2900 RPM CL - F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>7.5 HP, 415V, 3 Ph, 1450 RPM CL - F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>10 HP, 415V, 3 Ph, 1450/2900 RPM CL - F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>15 HP, 415V, 3 Ph, 1450 RPM CL - F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>20 HP, 415V, 3 Ph, 1450/2900 RPM CL - F</td>
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<tr>
<td>6</td>
<td>30 HP, 415V, 3 Ph, 1450/2900 RPM CL - F</td>
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<td></td>
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<tr>
<td>7</td>
<td>40 HP, 415V, 3 Ph, 1450/2900 RPM CL - F</td>
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<td></td>
</tr>
<tr>
<td>8</td>
<td>37KW/50 HP, 415V, 3 Ph, 1450 RPM CL - F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>45KW/60 HP, 415V, 3 Ph, 1450 RPM CL - F</td>
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<tr>
<td>10</td>
<td>55KW/75 HP Motor, 415V, 3Ph, 1450 RPM., CL-F</td>
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<tr>
<td>11</td>
<td>90KW/120 HPMotor, 415V, 3 Ph, 1450 RPM., CL-F</td>
<td></td>
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</tr>
<tr>
<td>12</td>
<td>110KW/150 HP Motor, 415V, 3 Ph, 1450 RPM., CL-F</td>
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<tr>
<td>13</td>
<td>160KW/215 HP Motor, 415V, 3 Ph, 1450 RPM., CL-F</td>
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<tr>
<td>14</td>
<td>(a) 48” Sweep 220V, 1 Ph, Ceiling Fan</td>
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<tr>
<td></td>
<td>(b) Rotor Shaft for Sl.No. 34</td>
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<td></td>
<td>(c) Bush for Sl.No. 34</td>
<td></td>
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</tr>
<tr>
<td>15</td>
<td>(a) 0.25 HP, 220V, 1 Ph, Blower Motor</td>
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<tr>
<td></td>
<td>(b) Shaft for 0.25 HP, 220V, 1 Ph, Blower Motor</td>
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<tr>
<td></td>
<td>(c) Bush for 0.25 HP, 220V, 1 Ph, Blower Motor</td>
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<tr>
<td>16</td>
<td>220V, Wolf/Bosch/ KPT make Pencil / Angle Grinder</td>
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<tr>
<td></td>
<td>(a) Armature</td>
<td></td>
<td></td>
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<td></td>
<td>(b) Field</td>
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<tr>
<td></td>
<td>(c) Commutator</td>
<td></td>
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<tr>
<td>17</td>
<td>220V, 1 Ph, Wall Mounting Ex-Fan, 300 mm sweep</td>
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<tr>
<td>18</td>
<td>5 KVA, 1 PH, Oil cooled lighting, Transformer P-V:440V, S.V: 110V (4 x 55V/2x55V)</td>
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<tr>
<td>19</td>
<td>10KVA, 440/110V, 1 PH, Oil, cooled lighting transformer, with Sec. midpoint earthed, P.V- 440, S.V- 110V (4x55V / 2x55V)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Repairing of welding machine, by replacing / rewinding, of primary/secondary coil, make – IOL, Type – Indarc, 300ST, 440V, 1 Phase.</td>
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<tr>
<td>21</td>
<td>Rewinding of Blower 110V/220VAC , 350Watt</td>
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<tr>
<td></td>
<td>(a) Rewinding of armature</td>
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<tr>
<td></td>
<td>(b) Rewinding of field</td>
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<td></td>
<td>(c) Carbon brush /holder replacement</td>
<td></td>
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<tr>
<td>22</td>
<td>Control transformer 75VA , 415V/220V</td>
<td></td>
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<tr>
<td>Sl.No.</td>
<td>Description of Motors</td>
<td>Rate in figure</td>
<td>Rate in words</td>
</tr>
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<td>-------</td>
<td>--------------------------------------------------------------</td>
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<tr>
<td>23</td>
<td>Control transformer 2KVA , 415V/0 - 22,24,32,110V</td>
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<tr>
<td>24</td>
<td>Control transformer 700VA , 415V/0-110,125V</td>
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<td>25</td>
<td>Closing / Tripping coil for VCB</td>
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<tr>
<td>26</td>
<td>220/110 volt, 1 ph, spring charging motor</td>
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<tr>
<td></td>
<td>a) Armature</td>
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<td></td>
<td>b) Field</td>
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<tr>
<td></td>
<td>c) Commutator</td>
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