

**URANIUM CORPORATION OF INDIA LIMITED  
(A GOVT. OF INDIA ENTERPRISE)  
AN ISO 9002 COMPANY  
JADUGUDA MINES  
EAST SINGHBHUM  
JHARKHAND – 832102**

**TENDER DOCUMENT  
FOR  
N.I.T. NO. MINES/ELECT/JAD/1/2017**

**REWINDING OF LT MOTORS AND ELECTRICAL  
EQUIPMENTS AT UCIL JADUGUDA MINES**

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SECTION – I  
**NOTICE INVITING TENDER**

URANIUM CORPORATION OF INDIA LTD.

( A Govt. of India Enterprise)

P.O. : Jaduguda Mines, Dist: East Singhbhum, Jharkhand-832102

Phone No : 0657-2730122/ 2730222

Fax No. : 0657-2730322

N.I.T. NO:- MINES/ELECT/JAD/ 1/2017

Date:05/04/2017

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, welding machines, ASEA SWEDEN make transmitter and receiver and other electrical equipments during last 7 years. Work order copies may be considered for this purpose.
- 2) The bidder should have successfully completed the similar jobs which are defined at Sl. No.1 for not less than Rs.152000/- in single contract or not less than Rs.95000/- each in two contracts or not less than Rs.76000/- each in three contracts during last 7 years.
- 3) The annual average turnover of the bidder should not be less than Rs.57000 /- in last 3 financial years.
- 4) Party should have service tax registration number.

Name of work	Rewinding of LT motors and other electrical equipments
Estimated Value of work	Rs.1,90,000.00
Period of contract	Twelve months
Cost of tender document	Rs. 350.00
EMD to be deposited with tender	Rs. 3800.00
Last Date for submission of tender document (Both parts)	10.05.2017 up to 3.00 p.m.
Date and time of opening of tender Part-I	10.05.2017 at 3.30 p.m.
Date of opening of Part-II	Shall be intimated to only those bidders who qualify in Part-I, later on.

This N.I.T and Tender document shall be downloaded from our website: [www.uraniumcorp.in](http://www.uraniumcorp.in). The downloaded Tender Document shall be accepted and the cost of Tender Document shall be paid through downloaded SBI challan from UCIL website

EMD cost should be in the form of DD/TDR/BG in favour of URANIUM CORPORATION OF INDIA LIMITED, JADUGUDA payable at SBI Jaduguda. Tender received without EMD and cost of tender document will be summarily rejected. Conditional tender may disqualify so tenderers are advised to quote price as per NIT NO :- MINES/ELECT/JAD/ 1/2017 conditions only.

Sealed Tenders will be received at the office of DGM( Pers.-IRs) Jaduguda till stipulated date and time and will be opened on that mentioned date at 3.30 p.m at Jaduguda by the representative(s) of Chairman and Managing Director in presence of tenderers who may like to be present.

The successful tenderer shall have complied 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 Chairman & Managing Director

Uranium Corporation of India Limited.

**Distribution :** D.G.M.( Mines),/ D.G.M.( Pers.)-IRs / Company Secretary / Manager(pers.-Jaduguda) / Mine Manager (Bagjata) / T.O.(Bagjata)/ T.O.(Mines) / T.O.(Mill) / New A .D .Building / Old A.D. Building / Site Office(Mill ) / Estate Office (Jad) / T.O. ( Bhatin) / T.O. ( Narwapahar) /T.O Turamdih/ T.O. (Mohuldih)

**(Techno Commercial )**

URANIUM CORPORATION OF INDIA LTD.

( A Govt. of India Enterprise)

JADUGUDA MINES

P.O. – JADUGUDA MINES

DIST. – SINGHBHUM EAST

JHARKHAND – 832102

N.I.T. No. – MINES/ELECT/JAD/ 1/2017

ITEM RATE TENDER FOR

**REWINDING OF LT MOTORS/ELECTRICAL EQUIPMENTS**

1. To be deposited in the tender box at the office of DGM (P & IRs.) Jaduguda by 15.00 hours on 10.05.2017.
2. Tender will be opened in the presence of Tenderers who may like to be present at 15.30 hours on 10.05.2017.

SECTION – II

**DETAILED NOTICE INVITING TENDER**

URANIUM CORPORATION OF INDIA LTD.

( A Govt. of India Enterprise)

P.O. – JADUGUDA MINES

DIST. – SINGHBHUM EAST

JHARKHAND – 832102

**DETAILED NOTICE INVITING TENDER**

1. Sealed item rate contract tenders are invited on behalf of the Chairman & Managing Director, Uranium Corporation of India Limited, Jaduguda for rewinding of LT motors, 415 volts AC ,welding machines, ASEA SWEDEN make transmitter and receiver and other electrical equipments of Jaduguda 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. Should 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. Chairman and Managing Director shall be the Accepting Officer herein after referred to as such for the purpose of this contract.
5. Tender documents shall be submitted to DGM (P&IR), Jaduguda so as to reach his office not later than 10.05.2017 up to 3.00 noon.
6. 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.
7. 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.

8. All rates shall be quoted on the tender form in triplicate.

9. 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.
10. The tender for the works shall not be witnessed 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.
11. Tenders shall be received by DGM (P&IR) up to 3.00 PM on the 10.05.2017 and shall be opened at 3.30 PM on same date in the presence of tenderers who may be present.
12. The tender shall be accompanied by Earnest Money of Rs. **3800/-** (Rs.Three thousand eight hundred only) in the form of DD/TDR/FDR/DAC in favour of Uranium Corporation of India Limited, Jaduguda payable at State Bank of India, Jaduguda.
13. 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.
14. Uranium Corporation of India Limited, Jaduguda will return the Earnest Money without any interest to unsuccessful tenderer on production by the tenderer of a certificate of Ch.Suptd.Elect.(Jaduguda Mines). 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.
15. The corporation does not bind themselves to accept the lowest or to give any reasons for their decision.
16. 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.
17. 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 Chairman & Managing Director  
Uranium Corporation Of India Limited.



SECTION – III  
**FORMS OF TENDER**

**FORM OF TENDER**

To  
The Chairman and Managing Director,  
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 npart 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  
\_\_\_\_\_ 201\_\_\_\_\_ 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 (2<sup>nd</sup> & 3<sup>rd</sup> 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 must 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 than one item or than once under any item.

6. The tenderer is required to deposit as Earnest Money Rs. **3800/-** (Rs. Three thousand eight hundred 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/FDR/TDR/DAC 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-7 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 10% 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 ha 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.

18. .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.

19. Tax & Duties :-

The quoted rate(s) should be inclusive of all taxes, duties, and insurance charges and personnel protective equipments charges but excluding service tax and VAT, if applicable which has been discussed in the Special Conditions. And imposition of any new taxes / duties by the State Govt. or Central Govt. during the contract execution period will also be paid by the contractor. Hence, no other taxes, duties and royalty, etc. would be paid extra. Offers with price variation clause will be out rightly rejected.

20. Price Escalation :-

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

21. 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.

22. 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.

## SPECIAL CONDITIONS OF CONTRACT

1. **Period of the contract** :

The period of contract shall be for One (01) years 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, duties, levies etc . The bidder is required to mention the applicable rate of Service Tax and VAT thereon as on their submitted bid / offer. Service Tax and VAT thereon shall be paid as per the rate mentioned by the bidder in their offer on submission of invoice(s).

(ii) **L1 party decision** : L1 party shall be decided as per grand total amount quoted by party.

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

(iv) **Service Tax and VAT**: Quoted rates should be exclusive of service tax and VAT. However sale tax and duties, insurance if any shall be paid by the party at their own.

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 : Dr.Beck Elmo Luft 1A Air Dry

d) Insulation class : F

2. **Guarantee period & Defect liability period** :

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 .

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. **Delivery period** : Maximum 10/15 days from the date of delivery at your workshops .
4. **Transportation**: To & fro by UCIL . Safe unloading & loading of the motors / equipments at contractor's workshop will have to be arranged by them.
9. **Scrap Copper** : Shall be retained by successful bidder . It shall be adjusted in quoted rate by the bidder .
10. **Submission of Indemnity Bond** :  
The contractor will be required to submit an indemnity bond on UCIL approved format against any loss / damage of motors in their custody.

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

SECTION –VI

**TECHNICAL SPECIFICATION**

## TECHNICAL SPECIFICATION OF WORK

### SCOPE OF WORK:

Scope of work shall be rewinding / repairing of LT equipments of Jaduguda Mines as detailed below. It includes supply of all materials likes winding wires, insulation varnish , insulating material , sleeves etc. required for above work .

#### **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**

- (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.  
Pre- heating of complete rewind transformer winding.
- (v) Two coats of Dr. Beck make class F varnish on the winding is to be done.
- (vi) Stamping of the core should be checked for proper tightness.

# **PRICE PART**



## SCHEDULE OF RATES

Sl.No.	Description. Of Motor	Rate
1	1 HP, 415 V, 3 Ph, 1450 RPM CL-F	
2	1 HP , 415V, 3 Ph, 2900 RPM CL-F	
3	2 HP, 415V, 3 Ph, 1450 RPM CL- F	
4	2 HP, 415V, 3 Ph, 2900 RPM CL - F	
5	3 HP, 415V, 3 Ph, 1450 RPM CL - F	
6	3 HP, 415V, 3 Ph, 2900 RPM CL - F	
7	4 HP, 415V, 3 Ph, 1450 RPM CL - F	
8	4 HP, 415V, 3 Ph, 2900 RPM CL - F	
9	5 HP, 415V, 3 Ph, 1450 RPM CL - F	
10	5 HP, 415V, 3 Ph, 2900 RPM CL - F	
11	7.5 HP,415V,3 Ph, 1450 RPM CL - F	
12	7.5 HP,415V,3 Ph,2900 RPM CL - F	
13	10 HP,415V,3 Ph,1450 RPM CL - F	
14	10HP,415V,3 Ph,2900 RPM CL - F	
15	15 HP,415V,3 Ph,1450 RPM CL - F	
16	15 HP,415V,3 Ph,2900 RPM CL - F	
17	20 HP,415V,3 Ph,1450 RPM CL - F	
18	20 HP,415V,3 Ph,2900 RPM CL - F	
19	25 HP,415V,3 Ph,1450 RPM CL - F	
20	25 HP,415V,3 Ph,2900 RPM CL - F	
21	30 HP,415V,3 Ph,1450 RPM CL - F	
22	30 HP,415V,3 Ph,2900 RPM CL - F	
23	40 HP,415V,3 Ph,1450 RPM CL - F	
24	40 HP,415V.3 Ph, 2900 RPM CL - F	
25	50 HP,415V,3 Ph,1450 RPM CL - F	
26	50 HP,415V, 3 Ph,2900 RPM CL - F	
27	60 HP,415V, 3 Ph,1450 RPM CL - F	
28	75 HP,415V,3 Ph, 2900 RPM CL - F	
29	90 HP,425V, 3 Ph,1450 RPM CL - F	
30	100 HP,415V,3 Ph,1450 RPM CL - F	
31	125 HP,415V,3 Ph,1450 RPM CL - F	
32	0.5 HP, 220V,1 Ph, 950 RPM CL - F	
33	0.25HP,220V,1 Ph,1450 RPM CL - F	
34	48" Sweep 220V,1 Ph,Ceiling Fan	
b)	Rotor Shaft for Sl.No. 34	
c)	Bush for sl.No.34	
35	24" Sweep 220V, 1 Ph, Wall / Pedestal Fan	
36	0.25 HP, 220V, 1 Ph, Blower Motor	
37	Shaft for Sl.No. 36	
38	Bush for Sl.No. 36	
39	0.5 HP, 415V, 3 Ph, 1400 RPM	
40	220V, 1 Ph, Wall Mounting Ex-Fan	
41	Stator of 110 KW/ 150HP. Slipring motor 1450 RPM, 3 Ph, 440V.	

Sl.No.	Description. Of Motor	Rate
42	Rotor of Sl.No. 41	
43	Stator of 110KW/ 150HP, Slipring IM 975 RPM.	
44	Rotor of 43	
45	5.5KW 1400 RPM, 3 Ph, 415V, Class-F SCIM	
46	3 KW/4 HP 1420/2900 RPM Class-F, 3Ph, 415V, SCIM	
47	37KW/50 HP, SCIM, Class-F, 415V, 3 Ph, 1420 RPM.	
48	0.9 KW, 220V, 1 Ph, 1450 RPM, Class - F	
49	3.5KW, 440v, 3pH, 2900 RPM, Class-F, SCIM	
50	10KVA/ 440 / 110V, 3 Ph, Oil cooled lighting 'X' ms.	
51	5 KVA/440/110V, 3 Ph, Oil cooled lighting 'X' ms.	
52	10KVA/ 440 / 110V, 3 Ph, Air cooled lighting 'X' ms.	
53	5 KVA/440/110V, 3 Ph, Air cooled lighting 'X' ms.	
54	220V, 1Ph, 8000 RPM Spring charging motor	
	a ) Armature	
55	b) Field	
	220V, Wolf/Bosch/ KPT make Pencil / Angle Grinder:	
	a)Armature	
	b)Field	
56	c) Commutator	
	Hydraulic Break Oil Pump Motor :	
	a) 4KW 380- 420V Delta, 50Hz 1430 RPM 8.3A .	
57	b) 4 KW 660- 600V, Star, 50Hz, 1430 RPM, 5.1A.	
	Gear lube oil pump 1.5KW, 415V, Star, 50 Hz, 1415RPM, Class- F, 3.3A SCIM, FRANCA-030 LB-04C	
58	Lily controller motor 1/4 HP, 208/,415V, 3 Ph, 1425 RPM, 50Hz, 1.4/07A, For - 5GC, SPEL 34k45 - 116-b Make	
59	DC Gravity Winding Motor 24V	
60	415/245V, 1 KVA Control Transformer	
61	60V A- 220 / 110 V Control Transformer	
62	1.67KW, 950 RPM, 3A, Insulation, Class – F IM	

Sl.No.	Description. Of Motor	Rate
63	Solenoid, coil for Rotation, Anti rotation 24V DC of Pluton - 17 Drill Jumbo Machine	
64	120HP motor, 415V, 3Ph, 1450 RPM.	
65	110KW/150 HP Motor, 415V, 3Ph, 1450 RPM	
66	55KW/ 75 HP Motor, 415V,3Ph, 1450 RPM.	
67	15 HP, 415V, 3 Ph, 1000 RPM.	
68	2 KVA / 2.5KVA, 440/110V, (2 x 55V) 1 Ph, Oil cooled LT	
69	5 KVA, 1 PH, Oil cooled lighting, Transformer P-V:440V, S.V: 110V (4 x 55V/2x55V)	
70	10KVA, 440/110V, 1 PH, Oil, cooled lighting transformer, with Sec. midpoint earthed, P.V- 440, S.V- 110V (4x55V / 2x55V)	
71	5 KVA, 440/220V, 1 Ph, Air cooled Transformer	
72	Repairing of welding machine, by replacing / rewinding, of primary/secondary coil, make – IOL, Type – Indarc, 300ST, 440V, 1 Phase.	
73	Rewinding of/Repaire of ASEA Sweden Make Transmitter,110V/36V for main cage winder	
74	Rewinding of/Repaire of ASEA Sweden Make Receiver,110V/36V for main cage winder	
75	Exciter of MG set of compressor, 11 KW,115VDC,95 A,1440 RPM a) Armature winding b) Field winding	
76	Exciter of MG set of Skip winder, 2.8 KW,220VDC,12.7 A,2900 RPM c) Armature winding d) Field winding	
77	Rewinding of Hooter / Siren 220V , Range :2KM, RPM :6000	
	a) Rewinding of armature	
	b)Rewinding of field	
	c)carbon brush /holder replacement	
78	Rewinding of Chain saw 230V,50/60Hz	
	a) Rewinding of armature	
	b)Rewinding of field	
	c)carbon brush /holder replacement	

Sl.No.	Description. Of Motor	Rate
79	Rewinding of Blower 110V/220VAC , 350Watt	
	a) Rewinding of armature	
	b)Rewinding of field	
	c)carbon brush /holder replacement	
80	Control transformer 75VA , 415V/220V	
81	Control transformer 2KVA , 415V/0 - 22,24,32,110V	
82	Control transformer 700VA , 415V/0- 110,125V	
83	160 KW/215 H.P. ,415v AC ,3 Ph 1490 RPM ,class –F	
	a) Stator winding	
	b) Rotor winding	

**Note :** Quoted rate shall be exclusive of taxes.