**URANIUM CORPORATION OF INDIA LIMITED**

**JADUGUDA**

Ref: UCIL/Mill/309/179/2022 March 31, 2022

**Enquiry**

To:

1. M/s. Bhagwati Enterprises

Village: - Durku

P.O.:- Rakhamines

Dist:- Singhbhum (East)

JHARKHAND - 832 106

1. M/s. General Electrical Works

Badia Road No. – 3

P.O. :- Mosaboni Mines

Dist. :- East Singhbhum

Jharkhand - 832 104

1. M/s. Aditya Sales Corporation

Main Road, Ghatsila

East Singhbhum, Jharkhand - 832303

1. M/s. Techtrade

Opp. Zenith Forge Ltd.

Tata-Kandra Road, Adityapur

Jamshedpur - 832109

Sub: **Rewinding of L.T. burnt motor for Jaduguda Mill for the year 2022**

Sealed quotation(s) is/are invited as per the price bid format attached alongside for the above mentioned job. Sealed quotation may be reached to the office of the undersigned on or before 04.04.2022.

**Special Terms and Conditions**

1. **Completion Time**: - The work has to be completed within 90 working days [up to maximum 04 Months excluding Sunday & Holiday] from the date of commencement of work.
2. **Earnest Money / Security Money Deposit :-**

Security Deposit equivalent to 03 (Three) % of the ordered value is required to be deposited in Accounts Department-UCIL in the form of demand draft before the commencement of the work. 100% security deposit will be refunded on written request in duplicate to the Engineer-in-charge after satisfactory completion of the work or defect liability period.

1. Workmen deployed by contractors or sub contractor have to be enrolled as member of provident fund and should be given the Universal Account Number (UAN).
2. **Experience**
3. **Skilled/Semi-skilled (winder / Fitter):-** 5 - 6 Years in rewinding of motors/repairing with fitting of motors.
4. **Unskilled:-** 2 - 3 years working experience in electrical related jobs.
5. **Payment Terms: -** 01 (One) RA bill and 01 (One) final bill will be paid against this work after submission of each bill in 04 (Four) copies.
6. Contractor will maintain an attendance register of the workers for their daily attendance and it is to be counter signed by Engineer-in-charge / Engineer representative. Workers engaged in the work shall be carried out the work instructions / job allocation.
7. **Rate**: - Rate quoted by the contractor in schedule of items of the specified make as per Sl. No. 10 after deducting scrap wire unit price shall be firm no escalation will be entertained in this contract.
8. **Engagement of Workmen**: - At least 01 (One) Skilled, 01 (One) Semiskilled having sound knowledge of rewinding work + 02 (Two) Unskilled workmen shall be engaged on daily basis excluding Sunday & holiday, however during urgency of work they can be engaged on Sunday & holiday as per the direction of EIC.
9. **Working Hours**: 7.00 AM to 12.00 Noon & 2.00 PM to 5.00 PM in all working days excluding Sunday & holiday.
10. **Material to be supplied by contractor**: - Only SEC wire as per I: S 13730-0-1(1993) Part-III, grade-2 of required size as per motor shall be supplied by contractor. Only KWW/ RR Shramik make SEC wire will be supplied for the work. Supply of SEC wire by contractor shall be properly entered in CISF main gate through Challan in which work order no., quantity of wire & make shall be mentioned as per the terms & conditions.
11. **Material to be supplied by UCIL**: - Insulating papers, varnish, glass sleeve, connecting leads wire and bearings etc of free of cost.
12. **Tools & Tackles**: - Contractor will arrange all tools & tackles required for rewinding & repairing of motors during contract period. Only crane and electric oven shall be provided by UCIL.
13. **Defect Liability Period**: - 06 (Six) months from handed over of ready motors after no-load testing at R&M Shop.
14. **Penalty**:-
15. If found any defects in motor such as faulty workmen ship, wrong connection in winding, burnt due to insulation failure, abnormal current & vibration on examination and testing shall be levied to correct/ fresh rewinding in force of cost by the contractor during defect liability period.
16. Penalty shall be imposed @ 5 % from bill submitted by contractor, if contractor will default to complete the work within the scheduled period of the contract as per terms & conditions.
17. Retained scrap SEC wire removed from burnt motor shall be measured in presence of UCIL representative and shall be taken out by contractor through proper material gate pass after signing by competent authority as per terms and conditions.
18. **Working Place**: - Work has to be carried out at UCIL premises at R&M shop, Jaduguda Mill.
19. The Contractor has to maintain the following registers.
20. Register of Fine
21. Register of over Time
22. Register of Deduction
23. Register of Muster Roll
24. Register of Advance
25. Register of Wages
26. Issue of Wages Slip
27. Register of Labour Attendance

**SCOPE OF WORK**

1. The defective LT motors to be rewinded by contractor shall be washed in fresh water and its capacity, RPM & make shall be noted in a register separately.
2. Same motors are to be dismantled and its winding data, gauge of wire shall be noted in same register.
3. After removing the burnt coil from the stator slot is to be cleaned properly& new insulating paper as per required thickness is to be provided.
4. Coil making as per winding data, setting coil in slot, connection and lead jointing, tapping, varnishing etc to be done properly.
5. Motor’s insulation testing without fitting shall be done and to be noted in register.
6. Rotor assembly to be checked with replacement of bearings, cleaning & greasing and to be done (Defective bearing shall be replaced after assessment by UCIL representative).
7. No load testing of motor after complete fitting is to be done in presence of UCIL representative and no-load current shall be noted in register. Abnormal no-load current in motor at the time of testing shall not be accepted.
8. Rewinded motor shall be painted after complete fitting & testing (Paint will be supplied by UCIL).

**Encl:** Schedule of Item & Rate (01 page)

(Ramesh Besra)

Chief Supdt. (Elect.) Mill

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Schedule of Item & Rate** | | | | | | | |
| Sub: **Rewinding of 3 Ph LT burnt motors for Jaduguda Mill for year 2022**  **Enquiry No. UCIL/Mill/309/ /2022 dated : 30/03/2022** | | | | | | | |
| **Sl. No.** | **Description of motors** | **Qty.** | **Unit** | **Rate(Rs.)** | | **Amount (Rs.)** | |
| **(in figures)** | **(in words)** | **(in figures)** | **(in words)** |
| 1 | 3 Ph LT motors - 3 Hp x 1440 RPM | 5 | Nos. |  |  |  |  |
| 2 | 3 Ph LT motors - 5 Hp x 1440 RPM | 5 | Nos. |  |  |  |  |
| 3 | 3 Ph LT motors - 10 Hp x 1440 RPM | 6 | Nos. |  |  |  |  |
| 4 | 3 Ph LT motors - 10 Hp x 2900 RPM | 2 | Nos. |  |  |  |  |
| 5 | 3 Ph LT motors - 15 Hp x 1440 RPM | 4 | Nos. |  |  |  |  |
| 6 | 3 Ph LT motors - 20 Hp x 1440 RPM | 3 | Nos. |  |  |  |  |
| 7 | 3 Ph LT motors - 30 Hp x 1440 RPM | 6 | Nos. |  |  |  |  |
| 8 | 3 Ph LT motors - 40 Hp x 1440 RPM | 1 | No. |  |  |  |  |
| 9 | 3 Ph LT motors - 40 Hp x 2900 RPM | 1 | No. |  |  |  |  |
| 10 | 3 Ph LT motors - 50 Hp x 1440 RPM | 1 | No. |  |  |  |  |
| 11 | 3 Ph LT motors - 60 Hp x 1440 RPM | 1 | No. |  |  |  |  |
|  | **Total** | | | | |  |  |
|  | **GST @ 18 %** | | | | |  |  |
|  | **Grand Total** | | | | |  |  |