

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES

☎: (0431) 2575010 / 2575123 / e-mail : umadsankar@bheltry.co.in



ISO 9001

ENQ No: 9251700026

Dt. 21.08.2017

NOTICE INVITING TENDER

SUB: Annual rate contract for rewinding group II&III motors and transformers.

Ref: Enquiry no: 9251700026 / Dated: 21/08/2017; Due Dt: 13/09/2017

Tender of the following work should be submitted in a sealed cover consisting of three inner sealed covers such as 1) EMD cover, 2) Technical bid cover & 3) Price bid cover, all super-scribing the name of work, enquiry number etc.

- 1) EMD cover shall contain requisite **EMD of ₹ 12,636/-** & Payment of EMD must be in e-Collect mode only. Tender without EMD will be summarily rejected and the Technical bid & price bid shall not be considered.
- 2) Technical bid cover shall contain duly filled in Technical bid document signed by the tenderer in all the pages with documentary evidences for pre-qualification such as experience, value of work executed in the similar nature of work etc. Any bid without proper documentary evidence for pre-qualification shall not be considered for further evaluation.
- 3) One set of unpriced bid of Contract Work Schedule duly signed by the tenderer for accepting the work content (BOM) should be submitted along with the Technical bid for technical evaluation.
- 4) The price bid cover shall contain price bid document duly filled in and signed by the tenderer in all the pages. The tenderer has to quote most competitive rates for all the items given in the Bill of Quantities in pricebid.

The complete Technical bid and price bid along with requisite **EMD of ₹ 12,636/-** shall reach the office of the undersigned on or **13/09/2017 at 14.00 Hrs.**

MSE suppliers can avail EMD Waiver benefits only if they submit along with the offer, attested copies of either EM II Certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II Certificate along with attested copy of a CA Certificate (Format Enclosed). Tenders without EMD/MSME proof as detailed above will be summarily rejected.

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The Technical bid will be opened on the same day at **14.30 hrs.** In case of opening day falls on holiday or happened to be declared as a holiday the receipt and opening of the tender shall automatically fall on the same timing of the next working day. Date and time of opening of the Price Bid shall be intimated only to the bidders those who have qualified after evaluation of the Technical bid. You / Your authorized representative may participate in the tender opening.

Clarification if any can be obtained from the undersigned.

Kindly acknowledge the receipt of the entire set of tender document.

Thanking you,

Yours faithfully,

For Bharat Heavy Electricals Limited,

Engineer/Contracts
Maintenance & Services

Encl:

- 1) NIT – Notice Inviting tender (Consists of Preamble, Technical Bid & price bid)

Tender should be addressed to: **THE ENGINEER,
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING, BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPPALLI - 620014,
TAMILNADU**

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NOTICE INVITING TENDER

01.	Name of work	Annual rate contract for rewinding group II&III motors and transformers.
02.	Earnest Money Deposit	₹ 12,636/-
03.	Duration of the contract	12 Months from date of commencement of the work.
04.	Last Date for Receipt of Tender	14.00 Hrs on 13/09/2017
05.	Date of Technical Bid Opening	14.30 Hrs on 13/09/2017
05.	Date of Price Bid Opening	Will be intimated to those who are Qualified separately.
07.	Guarantee Period	Not applicable

The Tender documents can be down loaded from BHEL website (www.bhel.com) / govt. website (www.tenders.gov.in) at free of cost.

Tender document contains **14 Pages (Technical Bid -11 Pages & Schedule for price bid – 03 page).**

ISSUING OFFICER

BHARAT HEAVY ELECTRICALS LIMITED

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TECHNICAL BID

NAME OF THE WORK: Annual rate contract for rewinding group II&III motors and transformers.

Ref: Enquiry no: 9251700026/ Dated: 21/08/2017; Due Dt: 13/09/2017

PRE-QUALIFICATION CRITERIA

The following eligibility criteria shall be complied to fulfill the Technical bid:-

Sl. No	Description	Vendor to confirm
1	Only those bidders who are having experience in rewinding of motors/ transformers of capacity not less than 90/100 kW in the past 5 years as on the date of opening the tender shall quote.	
2	Performance/ work completion certificate from minimum one customer regarding the satisfactory completion of work shall be enclosed with the offer. Work order copies in support of the same shall be enclosed with the offer	
3	Name and contact details like E-mail, Phone number, Fax no, etc. of the customer / company where the contract is executed. Bidder to confirm	
4	BHEL may verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected. Bidder to confirm.	
5	(i) BHEL Vendor code (if applicable) - (ii) PAN Number (Copy to be Enclosed) - (iii) GSTN registration Number (Copy to be Enclosed) - (iv) Mobile number (Which is linked to GSTN registration Number) - (v) Email id (Which is linked to GSTN registration Number) – (vi) HSN/SAC Code - Offer will be entertained only if the vendor submit the details as above & has a valid GST registration no. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer. Otherwise the offer shall be rejected.	
6	Acceptance for Scope of Work as per the Enquiry	
7	Acceptance for All Terms & Conditions as per the Enquiry	
8	The bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice	

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SCOPE OF WORK:

ITEM NO.	SCOPE OF WORK	UOM
10	Annual rewinding contract - Group II.	
10/10	Rewinding of 3 ph AC Induction motor above 10 hp upto 20 hp any RPM.	NO
10/20	Rewinding of AC Induction motor above 20 hp upto 30 hp any RPM.	NO
10/30	Rewinding of 3 ph AC Induction motor above 30 hp upto 50 hp any RPM.	NO
10/40	Rewinding of slip ring induction motor above 10 hp upto 20 hp Rotor only any RPM.	NO
10/50	Rewinding of slip ring induction motor above 10 hp upto 20 hp STATOR only any RPM.	NO
10/60	Rewinding of slip ring induction motor above 10 hp upto 20 hp Rotor and stator any rpm.	NO
10/70	Rewinding of slip ring induction motor above 20 hp upto 30 hp Rotor only any RPM.	NO
10/80	Rewinding of slip ring induction motor above 20 hp upto 30 hp STATOR only any RPM.	NO
10/90	Rewinding of slip ring induction motor above 20 hp upto 30 hp Rotor and STATOR any RPM.	NO
10/100	Rewinding of slip ring induction motor above 30 hp upto 50 hp Rotor only any RPM.	NO
10/110	Rewinding of slip ring induction motor above 30 hp upto 50 hp STATOR only any RPM.	NO
10/120	Rewinding of slip ring induction motor above 30 hp upto 50 hp Rotor and stator any RPM.	NO
10/130	Rewinding of AC Induction motor above 20 hp upto 30 hp dual winding and dual rpm.	NO
20	Annual rewinding contract - Group III - Motors.	
20/10	Rewinding of 3 phase AC Induction Motor above 50 HP upto 75 HP, any RPM.	NO
20/20	Rewinding of 3 phase AC Induction Motor above 75 HP upto 100 HP, any RPM.	NO
20/30	Rewinding of 3 phase AC Induction Motor above 100 HP upto 150 HP, any RPM.	NO
20/40	Rewinding Of 3 Phase Slipring AC Induction Motor above 50 HP upto 75 HP Rotor only, Any RPM.	NO
20/50	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 50 HP upto 75 HP Stator only, any RPM.	NO
20/60	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 50 HP upto 75 HP Rotor and Stator, any RPM.	NO
20/70	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 75 HP upto 100 HP Rotor only, any RPM.	NO
20/80	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 75 HP upto 100 HP Stator only, any RPM.	NO
20/90	Rewinding of 3 Phase Slip Ring AC Induction Motor above 75 HP upto 100 HP Rotor and Stator, any RPM.	NO
20/100	Rewinding of 3 Phase Slip Ring AC Induction Motor above 100 HP upto 150 HP Rotor only, any RPM.	NO
20/110	Rewinding of 3 Phase Slip Ring AC Induction Motor above 100 HP upto 150 HP Stator only, any RPM.	NO
20/120	Rewinding of 3 Phase Slip Ring AC Induction Motor above 100 HP upto 150 HP Rotor and Stator, any RPM.	NO
20/130	Rewinding of 3 Phase Slip Ring AC Induction Motor ABOVE 150 HP upto 250 HP Rotor only, any RPM.	NO
20/140	Rewinding of 3 Phase Slip Ring AC Induction Motor above 150 HP upto 250HP Stator only, any RPM.	NO
20/150	Rewinding of 3 Phase Slip Ring AC Induction Motor above 150 HP upto 250 HP Rotor and Stator, any RPM.	NO
20/160	Rewinding of DC Motors above 1KW upto 3KW -Field only, any RPM.	NO
20/170	Rewinding of DC Motors above 1 KW upto 3 KW -Armature only, any RPM.	NO
20/180	Rewinding of DC Motors above 1 KW upto 3 KW -Field & Armature, any RPM.	NO

Sign & Seal of Contractor

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20/190	Rewinding of DC Motors 3 KW to 5 KW-Field only,any RPM	NO
20/200	Rewinding of DC Motors 3 KW to 5 KW-Armature only, any RPM.	NO
20/210	Rewinding of DC Motors 3 KW to 5 KW-Field & Armature, any RPM.	NO
20/220	Rewinding of DC motor above 5 KW up to 10 KW field only of any RPM.	NO
20/230	Rewinding of DC motor above 5KW up to 10 KW Armature only of any RPM.	NO
20/240	Rewinding of DC motor above 5 KW up to 10KW field and Armature of any RPM.	NO
20/250	Rewinding of DC motor above 10 KW up to 25 KW field only of any RPM.	NO
20/260	Rewinding of DC motor above 10 KW up to 25 KW Armature only of any RPM.	NO
20/270	Rewinding of DC motor above 10 KW up to 25 KW Field and Armature of any RPM.	NO
20/280	Rewinding of DC motor above 25 KW up to 35 KW Field only of any RPM.	NO
20/290	Rewinding of DC motor above 25 KW up to 35 KW Armature only of any RPM.	NO
20/300	Rewinding of DC motor above 25 KW up to 35 KW Field & Armature of any RPM.	NO
20/310	Rewinding of DC Motors upto 1 KW Field only of any RPM.	NO
20/320	Rewinding of DC Motors upto 1 KW Armature only of any RPM.	NO
20/330	Rewinding of DC Motors upto 1 KW Field & Armature of any RPM.	NO
30	Annual rewinding contract - Group III - Transformers.	
30/10	Rewinding of choke coil. Capacity: 20 KVA to 50 KVA (For welding Transformer).	NO
30/20	Rewinding of 3 phase power transformer/ Welding transformer. Capacity: 100 KVA to 250 KVA, Primary voltage: 380-400-415-440 volts,	NO
30/30	Rewinding of 3 phase power Transformer/Welding Transformer. Capacity: 250 KVA to 500KVA, Primary voltage:380-400-415-440 volts,	NO
30/40	Rewinding of 3 phase power Transformer/Welding Transformer. Capacity: 30 KVA to 50 KVA, Primary voltage:380-400-415-440 volts,	NO
30/50	Rewinding of 3 phase power Transformer/Welding Transformer. Capacity: 50 KVA to 100 KVA, Primary voltage:380-400-415-440 volts,	NO
30/60	Rewinding of 3 phase 415 volt power/Welding Transformer. Capacity: Above 5 KVA upto 15 KVA.	NO
30/70	Rewinding of 3 phase 415 volt power/Welding Transformer. Capacity: Above 15 KVA upto30 KVA.	NO
30/80	Rewinding of isolation transformer capacity 25KVA. Primary: 380,415 VOLT. Secondary: Dual winding	NO

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Scope of work for rewinding motors/ transformers in Group II and Group III:

Rewinding of the given 3phase AC Induction motors/Slipring Induction motors/Transformers by carrying out the following works:

- 1.BHEL will intimate regarding the failure of motor/ transformer and place the sub-work order for the rewinding work.
- 2.The contractor shall collect the motor/ transformer from BHEL and transport to the contractor works for carrying out the rewinding work.
- 3.Dismantle, Check the condition of coil and remove the old/ burnt out coils fully.
- 4.Remove and clean the slots.
- 5.Repair the core and other internals if required.
- 6.Re-insulate the motor's slots with fresh quality F-Class insulation materials.
- 7.Rewinding the motors / transformers by using ISI standard super enamel copper wire. [ATLAS, HTP, DEVIDHAYAL, LG].
- 8.Apply 100% varnishing using INSULVAR - V30 / DR.BECK&Co./ ELVIN brand of varnish.
- 9.The coil assembly shall be heat treated in the oven/ lamp.
- 10.Assemble the motors and suitable end termination should be done properly. The insulation values should be more than 50 Meg ohms.
- 11.Motor bearing shall be replaced in case of fault which will be supplied by BHEL at free of cost.
- 12.Testing the motors/transformer performance as per applicable standards at contractor's work in the presence of BHEL representative. Test report shall be submitted while delivering the material.
- 13.Bring the rewound motors/transformers to BHEL and prove the performance completely in all aspects at BHEL Repair Shop.

Special Conditions:

- 1.The tender is a rate schedule for anticipated rewinding of motors & transformers. The quantity shown against each item is tentative and may change as per the requirement of defective motors & transformers identified for rewinding. However the total value of work anticipated against this tender is Rs. 6,31,780.00/-
- 2.While dismantling and assembling of motors, proper care should be taken by the contractor, so that the shaft / end cover and other accessories are not damaged.
- 3.Bearings if found damaged to be replaced by the contractor. On intimation of the bearing condition to BHEL, new bearings will be supplied by BHEL free of cost. The removed bearings should be returned to BHEL, with proper gate entry.
- 4.The new super enamelled copper coils should be provided by the contractor under their supply scope.
- 5.Loading, unloading & transporting of components from BHEL Repair Shop to contractor's works and back to BHEL Repair Shop will be at contractor's scope. Any handling facility required at our works will be provided at free of cost.
- 6.The rate is inclusive of the cost of materials such as new copper conductors, Insulating materials, varnishes etc.
- 7.All the scrap materials including old copper coil shall be retained with the Contractor. The cost shall be adjusted in the total rewinding cost.
- 8.100% payment will be made for the completed jobs against the contractor's bills / Invoice in four copies.
- 9.The contractor should return the rewound items with BHEL gate pass only and not by any other mode.
- 10.Contractor shall submit warranty certificate for the performance of the motor for a minimum period of six months from the date of delivery at our works against quality of materials / workmanship. If the components fail within the warranty period, the contractor should carry out the re-work free of Cost, including transportation immediately upon receiving information from BHEL, and ensure satisfactory performance.

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GENERAL TERMS AND CONDITIONS FOR M&S CONTRACTS

- 1) The workmen of contractor should be covered under PF/ESI, etc., as per labour laws.
- 2) Safety precautions have to be ensured by the Contractor Depending on the work nature. Necessary work permit system and personal protective equipments (PPE) such as electrical resistance rubber gloves, helmet, spectacle goggles, safety shoes, safety belt etc. as applicable to Mechanical works should be adhered while carrying out the work.
- 3) PPEs for appropriate trade job has to be ensured by the contractor at the job site at all times.
- 4) The contractors may visit the area to assess the quantum of work before quoting.
- 5) The contractor should mention the point to point confirmation.
- 6) Contractor should commit for Terms and Conditions of the enquiry otherwise the offer shall be liable for rejection.
- 7) **TWO PART BID SYSTEM:** Contractor should send their offer for two part bid system as below
- 8) Contractor may visit to get acquaintance with quantum of day to day work by visiting BHEL Trichy premises before quoting.
- 9) The contractor should quote the exact time required to complete the work in their offer.

TENDERING CONDITIONS:

- a) The Bidders shall submit the offer in TWO PART BID SYSTEM (Part - I & II) along with EMD as indicated below which shall be sealed in ONE OUTER ENVELOPE.
- b) Envelope I- This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. Envelope I should contain sealed EMD cover indicating the enquiry detail.
- c) Envelope II - This sealed envelope should contain price details. This envelope should be clearly marked as - "Part -II Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.
- d) Envelope III - This sealed envelope should contain requisite **EMD**. This envelope should be clearly marked as - "EMD COVER", indicating Enquiry No., Due Date and Address & Reference of the Bidder.
- e) All the three envelopes shall be put in one cover, duly sealed, super scribing as offer for Enquiry No., and due date of opening, Name of the work and the address and reference of the Bidder.
- f) The offer should reach this office on or before the due date by 14.00 Hrs. (IST). Late offers will not be considered.
- g) Tender should not be addressed to any Individual's name but only by designation to:

THE ENGINEER
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING,
BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPALLI - 620 014.
TAMIL NADU, INDIA.

- h) Tenders should be free from CORRECTION AND ERASURES, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference

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between amount quoted in words and figures, amount quoted in words shall prevail.

- i) Offers should be in ENGLISH and accompanied by detailed Point to point confirmation of the scope of work.

OPENING OF TENDERS:

- The Part I - Technical & un-priced commercial bid and EMD Cover alone would be opened on the Tender opening date(as mentioned in the enquiry) by 14.30Hrs(IST)
- The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically suitable Bidders would be informed about the Price bid opening date.
- Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

GST:

- Response to Tenders for Contractor will be entertained only if the vendor has a valid GST registration no which should be clearly mentioned in the offer. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer.
- Contractor shall mention their GSTN registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.
- All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC code (Services Accounting Code).

LD CLAUSE:

If the contractor fails to complete the work as per terms & conditions of the order within the delivery schedule, 0.5% of the order value will be deducted for each week of delay or part thereof subject to a maximum of 10% of the total contract value.

IMPORTANT NOTE: BHEL reserves the right to short close this contract with one month advance notice due to administrative reasons. BHEL's decision in this regard is final. Under such circumstances payment will be made for actual number of work carried out up to the period.

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COMMERCIAL TERMS AND CONDITIONS FOR M&S CONTRACTS

- 1) 100% payment will be made after completion of work on submission of invoice in triplicate duly certified by Area In – charge.
- 2) Attendance register should be maintained.
- 3) **Payment of EMD & SD must be in e-Collect mode only, while making such payment, Enquiry number may be mentioned in Remark column. Offers without EMD shall be liable for rejection.**

Procedure to remit (EMD/SD) money to BHEL Trichy's Account :

Login to : <https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=574693>

- a) Select State Bank Collect available on the top (pre login page)
 - b) Accept the terms and conditions and click "PROCEED"
 - c) Select State "TAMILNADU " and Institution type " INDUSTRY " .
 - d) Select " **BHEL TRICHY** " under "INDUSTRY".
 - e) In the next page, Select APPROPRIATE category, fill details correctly & click "SUBMIT".
 - f) If all details entered are correctly populated, click "CONFIRM "to proceed.
 - g) Make payment as per your convenience. (Options available are payment of fees through **SBI Net Banking, State Bank ATM cum Debit Cards / Other Bank Debit / Credit Cards and through SBI Branches**).
 - h) SAVE & Keep the copy of receipt for future reference.
- 4) Security Deposit shall be furnished by the successful vendor to the total contract value before starting the work. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit. SD is forfeited in case of any failure in execution of the contract or due to any shortcomings observed in the documentation furnished earlier for getting qualified or in case the Contractor is banned.
 - 5) An additional payment as per circular ref. BHE/HR/W/EW/08.04.2014 is to be paid to the contract workmen as below, over and above the minimum wages prescribed by the government of Tamil Nadu:

Unskilled	-	Rs.3200/-
Semiskilled	-	Rs.3700/-
Skilled	-	Rs.4100/-
 - 6) Bonus @ 8.33 % to workmen to be paid.
 - 7) **Rate should be quoted as per price bid.**
 - 8) Taxes if any will be mentioned separately in the offer.
 - 9) The rate that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding and lodging.
 - 10) The contractor should quote the validity of the offer.
 - 11) If two or more vendors offer the same rate, negotiation will be conducted separately.
 - 12) The contractor should remit the salary/wages for their workmen only through Bank. Monthly clearance will be given in respect of all contractors, if only the salary/ wages to the workmen has been remitted through the bank account of the contract workmen. The relevant Bank statement/proof for Bank payment should be produced along with PF and ESI challan's to Welfare Section every month.

Certificate by Chartered Accountant on Letter Head

This is to certify that M/s. _____ (hereinafter referred to as 'company') having its registered office at _____ is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part II)) _____ dt. _____, Category: (Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year _____ as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006):

₹ _____ Lacs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act 2006):

₹ _____ Lacs

(Strike off whichever is not applicable)

The above investment of ₹ _____ Lacs is within permissible limit of ₹ _____ Lacs for _____ Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name:

Membership number:

Seal of Chartered Accountant

BHARAT HEAVY ELECTRICALS LIMITED

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MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575010 / 2575123 / e-mail : umadsankar@bheltry.co.in

ENQ No: 9251700026

Dt.21.08.2017

SCHEDULE FOR PRICE BID

SUB: Annual rate contract for rewinding group II&III motors and transformers.

Ref: Enquiry no: 9251700026/ Dated: 21/08/2017; Due Dt: 13/09/2017

ITEM NO.	SCOPE OF WORK	RATE	VALUE
10/10	Rewinding of 3 ph AC Induction motor above 10 hp upto 20 hp any RPM.		
10/20	Rewinding of AC Induction motor above 20 hp upto 30 hp any RPM.		
10/30	Rewinding of 3 ph AC Induction motor above 30 hp upto 50 hp any RPM.		
10/40	Rewinding of slip ring induction motor above 10 hp upto 20 hp Rotor only any RPM.		
10/50	Rewinding of slip ring induction motor above 10 hp upto 20 hp STATOR only any RPM.		
10/60	Rewinding of slip ring induction motor above 10 hp upto 20 hp Rotor and stator any rpm.		
10/70	Rewinding of slip ring induction motor above 20 hp upto 30 hp Rotor only any RPM.		
10/80	Rewinding of slip ring induction motor above 20 hp upto 30 hp STATOR only any RPM.		
10/90	Rewinding of slip ring induction motor above 20 hp upto 30 hp Rotor and STATOR any RPM.		
10/100	Rewinding of slip ring induction motor above 30 hp upto 50 hp Rotor only any RPM.		
10/110	Rewinding of slip ring induction motor above 30 hp upto 50 hp STATOR only any RPM.		
10/120	Rewinding of slip ring induction motor above 30 hp upto 50 hp Rotor and stator any RPM.		
10/130	Rewinding of AC Induction motor above 20 hp upto 30 hp dual winding and dual rpm.		
20/10	Rewinding of 3 phase AC Induction Motor above 50 HP upto 75 HP, any RPM.		
20/20	Rewinding of 3 phase AC Induction Motor above 75 HP upto 100 HP, any RPM.		
20/30	Rewinding of 3 phase AC Induction Motor above 100 HP upto 150 HP, any RPM.		
20/40	Rewinding Of 3 Phase Slipring AC Induction Motor above 50 HP upto 75 HP Rotor only, Any RPM.		
20/50	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 50 HP upto 75 HP Stator only, any RPM.		
20/60	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 50 HP upto 75 HP Rotor and Stator, any RPM.		
20/70	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 75 HP upto 100 HP Rotor only, any RPM.		
20/80	Rewinding Of 3 Phase Slip Ring AC Induction Motor above 75 HP upto 100 HP Stator only, any RPM.		

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt.of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575010 / 2575123 /e-mail : umadsankar@bheltry.co.in

ENQ No: 9251700026

Dt.21.08.2017

20/90	Rewinding of 3 Phase Slip Ring AC Induction Motor above 75 HP upto 100 HP Rotor and Stator, any		
20/100	Rewinding of 3 Phase Slip Ring AC Induction Motor above 100 HP upto 150 HP Rotor only, any RPM.		
20/110	Rewinding of 3 Phase Slip Ring AC Induction Motor above 100 HP upto 150 HP Stator only, any RPM.		
20/120	Rewinding of 3 Phase Slip Ring AC Induction Motor above 100 HP upto 150 HP Rotor and Stator, any RPM.		
20/130	Rewinding of 3 Phase Slip Ring AC Induction Motor ABOVE 150 HP upto 250 HP Rotor only, any RPM.		
20/140	Rewinding of 3 Phase Slip Ring AC Induction Motor above 150 HP upto 250HP Stator only, any RPM.		
20/150	Rewinding of 3 Phase Slip Ring AC Induction Motor above 150 HP upto 250 HP Rotor and Stator, any RPM.		
20/160	Rewinding of DC Motors above 1KW upto 3KW - Field only, any RPM.		
20/170	Rewinding of DC Motors above 1 KW upto 3 KW - Armature only, any RPM.		
20/180	Rewinding of DC Motors above 1 KW upto 3 KW - Field & Armature, any RPM.		
20/190	Rewinding of DC Motors 3 KW to 5 KW-Field only, any RPM		
20/200	Rewinding of DC Motors 3 KW to 5 KW-Armature only, any RPM.		
20/210	Rewinding of DC Motors 3 KW to 5 KW-Field & Armature, any RPM.		
20/220	Rewinding of DC motor above 5 KW up to 10 KW field only of any RPM.		
20/230	Rewinding of DC motor above 5KW up to 10 KW Armature only of any RPM.		
20/240	Rewinding of DC motor above 5 KW up to 10KW field and Armature of any RPM.		
20/250	Rewinding of DC motor above 10 KW up to 25 KW field only of any RPM.		
20/260	Rewinding of DC motor above 10 KW up to 25 KW Armature only of any RPM.		
20/270	Rewinding of DC motor above 10 KW up to 25 KW Field and Armature of any RPM.		
20/280	Rewinding of DC motor above 25 KW up to 35 KW Field only of any RPM.		
20/290	Rewinding of DC motor above 25 KW up to 35 KW Armature only of any RPM.		
20/300	Rewinding of DC motor above 25 KW up to 35 KW Field & Armature of any RPM.		
20/310	Rewinding of DC Motors upto 1 KW Field only of any RPM.		

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20/320	Rewinding of DC Motors upto 1 KW Armature only of any RPM.		
20/330	Rewinding of DC Motors upto 1 KW Field & Armature of any RPM.		
30/10	Rewinding of choke coil. Capacity: 20 KVA to 50 KVA (For welding Transformer).		
30/20	Rewinding of 3 phase power transformer/ Welding transformer. Capacity: 100 KVA to 250 KVA, Primary voltage: 380-400-415-440 volts, Secondary current: 65-90-110-175-200-220-240.		
30/30	Rewinding of 3 phase power Transformer/Welding Transformer. Capacity: 250 KVA to 500KVA, Primary voltage:380-400-415-440 volts, Secondary current: 65-90-110-175-200-220-240.		
30/40	Rewinding of 3 phase power Transformer/Welding Transformer. Capacity: 30 KVA to 50 KVA, Primary voltage:380-400-415-440 volts, Secondary current: 65-90-110-175-200-220-240.		
30/50	Rewinding of 3 phase power Transformer/Welding Transformer. Capacity: 50 KVA to 100 KVA, Primary voltage:380-400-415-440 volts, Secondary current: 65-90-110-175-200-220-240.		
30/60	Rewinding of 3 phase 415 volt power/Welding Transformer. Capacity: Above 5 KVA upto 15 KVA.		
30/70	Rewinding of 3 phase 415 volt power/Welding Transformer. Capacity: Above 15 KVA upto 30 KVA.		
30/80	Rewinding of isolation transformer capacity 25KVA. Primary: 380,415 VOLT. Secondary: Dual winding 1) 0,380,415 VOLT-10KVA. 2) 0 200 VOLT - 15KVA		

- Taxes if any should be quoted extra.

- 1). Payment terms: 100% Payment will be made after completion of work on pro rata basis on submission of invoice in triplicate duly certified by Engineer In Charge.
- 2). Tax deduction will be made from every bill at the prevailing rate as per the Government rule and regulation from time to time.
- 3). Detailed scope of work and other terms and conditions are specified in the Technical Bid of the Tender.
- 4). **L1 vendor will be finalized based on Individual item basis.**

Sign & Seal of Contractor