

## **TENDER**

**(TENDER No. CFP/MNT/2016-17/05)**

**Dated 29.08.16**

**Rate contract for repair, rewinding & supply of spares for Ceiling fans/exhaust fan/desert cooler fans/wall mounted, pedestal fans, electric motors, Gas regulator & Torch of MIG/TIG welding machines/earth pit etc**



**BHARAT HEAVY ELECTRICALS LIMITED  
(A Government of India Undertaking)  
RUDRAPUR – 263153 (U.K.)**

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(1)



**BHARAT HEAVY ELECTRICALS LTD.**  
**Component Fabrication Plant**  
**RUDRAPUR-263153**

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**NOTICE INVITING TENDER(NIT)**

**Date : 14.10.16**

**From :**

Sr.Eng(Civil/MNT)  
BHEL, CFP  
Rudrapur(U.K.) -263153

To : M/s \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

**NAME OF WORK : rate contract for repair, rewinding & supply of spares for Ceiling fans/exhaust fan/desert cooler fans/wall mounted, pedestal fans, electric motors, Gas regulator & Torch of MIG/TIG welding machines/earth pit etc.**

Sealed Tenders in two parts viz., (i) Techno-Commercial bid & (ii) Price Bid are invited for the work mentioned above from bidders (who fulfill the qualifying criteria) as mentioned below:

Nature of work	Period of Contract	Estimated Value of the work	Earnest money deposit (in Rs)	Last date of issue of Tender date & time	Tender submission date & time	Tender opening (Part 1)date & time
<b>Rate contract for repair, rewinding &amp; supply of spares for Ceiling fans/exhaust fan/desert cooler fans/wall mounted, pedestal fans, electric motors, Gas regulator &amp; Torch of MIG/TIG welding machines/earth pit</b>	one years	Rs 189819.55(inclusive all taxes)	Rs. 3777.99 To be accompanied with techno-comml. bid (Part 1)	04/11/2016 (12.00 pm)	04/11/2016- (2.00 pm)	04/11/2016 (3.00pm)

The EMD may be accepted only in the following forms:

- (i) Cash deposit as permissible under the extant Income Tax Act (before tender opening)
- (ii) Electronic Fund Transfer credited in BHEL account (before tender opening)
- (iii) Banker's cheque/ Pay order/ Demand draft, in favor of BHEL (along with offer)

Address for submission & opening of Tender:

**If through courier;**

**Office of** HoD(MNT/Civil)  
BHEL, CFP,  
Rudrapur-263153(UK)

**If delivered in tender box;**

Tender Box Provided At  
New Administrative Building  
M.M. Department,  
BHEL-Rudrapur-263153(UK)

. Offer is to be submitted in two parts in sealed envelope duly super scribed as:

**“Rate contract for repair, rewinding & supply of spares for Ceiling fans/exhaust fan/desert cooler fans/wall mounted, pedestal fans, electric motors, Gas regulator & Torch of MIG/TIG welding machines/earth pit etc”**

**TENDER No. CFP/MNT/2016-17/05dated: dt:29/08/16 " due dt:04/11/16**

Bidders are advised to regularly visit BHEL website for any Errata / Addendum / Extension / corrigendum to this tender hosted on BHEL website [www.bhel.com](http://www.bhel.com).

**Scope of Work for rate contract for repair, rewinding & supply of spares for Ceiling fans/exhaust fan/desert cooler fans/wall mounted, pedestal fans, electric motors, Gas regulator & Torch of MIG/TIG welding machines/earth pit etc**

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1. Checking the equipment for identification of the fault.
2. Repair, Servicing, rewinding of Ceiling fans/exhaust fans/desert cooler fans/wall mounted & pedestal fans/electrical motors, Control transformer MIG/TIG welding machines etc.
3. Supply of spares, grease, varnish in the equipment.
4. Repair of torch, gas regulator of MIG/TIG welding machines.
5. Lifting (if required) of defective equipments from BHEL premises to contractor's works and its return after repair to BHEL works.
6. Six monthly testing of earth pits will comprise: (a) Measurement & record of earth pit resistance (b) Application of grease/lubricant on earthing strip joints (c) Application of CRC/Anti corrosive chemical for removal of rust in strip or exposed portion of earthing electrode, junction of strip & electrode.
7. Servicing of earth pit will comprise (a) Removal of earth/coal/salt around Electrode (b) Application of CRC/Anti corrosive chemical for removal of rust in existing earthing electrode (c) application of coal & salt in earth pit after electrode insertion.

Note:

**(a) The old/damaged part replaced is to be returned back to BHEL along with the repaired equipment. However, the old damaged copper wire is not to be returned to BHEL and the rates should be quoted after adjusting the value of the old material. Spares & varnish should be used of reputed make & ISI marked.**

**(b) Only earth testing kit shall be provided by BHEL for testing earth pits**

**Terms & Conditions:**

1. Only those parties accepting BHEL terms & conditions of tender should submit sealed offer in two bid. Tender no. due date & name of bidder should be mentioned on the envelope containing offer.
2. Rates for AMC to be quoted as per the format (Annexure-IV) enclosed. The service charges payable shall be would be applicable irrespective of the nos. of spares replaced in an equipment and would include all maintenance activity including disassemble, cleaning, vanishing, greasing, assembly etc. required for the repair of equipment. The spares provided in the equipment would be payable in addition to the service charges as per the rates in the contract.
3. **The L-1 offer shall be decided based on overall L-1 offer by the party based on the estimated qty. of work as mentioned in Annexure-IV.** The rate of the offer should have validity of min. 60 days from the date of opening of tender.
4. The rate under contract finalized shall be firm & valid for the period of one year from the date of award of contract.
5. **Delivery schedule:** Contractor shall provide services within two days of intimation as and when required. In case, services are not provided as per schedule by the contractor, BHEL shall be free to get the serviced or repaired (in case of breakdown) as the case may be through alternative source(s) at risk & cost of the contractor. Any additional cost incurred over & above rate contract by BHEL in such case shall be debited to the account of the contractor.
6. **Penalty Clause:** If the work is not completed within the specified delivery schedule and any extension thereof, the contractor shall be liable to pay liquidated damages for delay in completion of work @ 0.5% of the value of work for delayed scheduled service, for every week of delay or part thereof, subject to a maximum of 10% of the contract value without BHEL being required to establish and prove the actual loss/ damage suffered by BHEL on account of such delay.
7. All tools & tackles required for the work shall be provided by Contractor to its workmen.
8. Copper wire to be used for winding with approved enameled cover of make Devi dayal, Atlas, H.T. or equivalent.
9. The contractor shall undertake the responsibility & expenses for lifting (if required) of equipment from BHEL premises to contractor's works and its return after repair to BHEL works at no extra cost.

10. **The old/damaged part replaced is to be returned back to BHEL along with the repaired equipment. However, the old damaged copper wire is not to be returned to BHEL and the rates to be quoted after adjusting the value of the old material. Spares & varnish should be used of reputed make & ISI marked.**
11. **Guarantee/Warranty:** Contractor shall provide guarantee for rewinding for a period of 6 months. This shall not be applicable in case of failure due to voltage variation during use by BHEL. During guarantee/warranty period, any defect arising out of poor workmanship or material supplied by contractor during this period shall be repaired/replaced free of cost within 2 days of intimation.
12. **Security Deposit:** Successful tenderer shall be required to submit security deposit with BHEL @5% of work order value before start of the work in form pay order/DD/cash/Local cheque of schedule banks, subject to realization. **Security deposit shall be forfeited in case of revoking/breach of contractor in part or full or BHEL terminating the contract on account of unsatisfactory work by contractor. S.D. shall be refunded after successful completion of guarantee/warranty period.**
13. **Payment terms:** Payment shall be made within **45 days(bill processing time shall be 10 days by MNT deptt. & 35 days by FIN deptt.)** of submission of bill to BHEL on production of bill by the contractor and verified by the MNT (Elect. & Mech. deptt.).
14. BHEL reserve the right to terminate the contract by giving a notice of 15 days in case of non-satisfactory performance by the contractor. BHEL reserves the right to reject any or all offers without assigning any reason therefore.
15. While carrying out the work, the party shall abide by the entire legal/statutory/safety requirement as applicable. Contractor will follow ‘Contractor’ obligations(Contractual & Statutory)’ for the workmen engaged for the work at BHEL works as per **Annexure-III.**

**CONTRACTOR'S OBLIGATIONS**

**A) CONTRACTUAL:**

- a) Contractor shall decide the number of employees to be deployed for execution of the work awarded to him and he or his authorized representative will be solely entitled to dictate such workers about the manner of carrying out the work as per the prescribed specifications and quality plan.
- b) Contractor shall supervise the work allotted to him and to be carried out by his employees.
- c) Contractor to ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- d) Contractor shall maintain appropriate records of his employees deployed to carry out the job(s).
- e) Contractor shall issue appropriate appointment letters to his employees.
- f) Contractor to provide employment card / Identity card with photograph, duly verified and attested by the Contractor to his employees. Contractor shall indicate the name of the proprietor/partnership firm/Company, place of work, Contract No. and duration of validity of Card.
- g) Contractor will be responsible for the good conduct of his employees. In case of any misconduct / misbehavior by any employee, the Contractor will replace such employee(s) immediately.
- h) Contractor shall ensure that the job is executed through his employees on his rolls and under no circumstances, the Contractor will deploy any casual employee to carry out the job, nor shall sub-contract the job.
- i) Contractor will keep watch on his employees and he will be liable for any pilferage / loss to BHEL due to acts of omission and commission by his employees. Similarly, liability for any compensation to outsiders on account of any act of omission and commission by the employees deployed by the Contractor, shall lie exclusively with him.
- j) Contractor shall provide safety appliances and safety shoes to his employees. The Contractor shall be responsible for enforcing all safety regulations as applicable.
- k) The Contractor to provide a distinct uniform different from BHEL employees. The uniform should have logo of Contractor's firm / Company. The uniform should be kept in neat, tidy and wearable condition. Wherever necessary, cap should be integral part of the uniform.
- l) Contractor shall ensure that all precautions are taken for safety of his employees and equipments.
- m) In the event of termination of contract for any reason whatsoever, the Contractor shall withdraw all his employees from the establishment of BHEL. In case Contractor decides to terminate the services of his employees, he should settle all terminal dues including retrenchment compensation.
- n) Contractor shall provide to his employees all tools, tackles and equipments and maintain the same to carry out the job under the Contract at his cost and if necessary Contractor shall take insurance policy of his men, material, equipments and tools & tackles.

- o) Contractor shall provide safety appliances and maintain the same at his own cost which may be required under the statute or otherwise.
- p) Contractor shall provide material at his cost as mentioned in the Contract to his employees for carrying out the job.

**B) TOWARDS STATUTORY LIABILITY:**

- a) All statutory requirements under;
  - Minimum Wages Act, 1948
  - Payment of Wages Act, 1936,
  - Workmen Compensation Act, 1923,
  - EPF and MP Act, 1952,
  - Payment of Gratuity Act, 1972,
  - ESI Act, 1948,
  - The Contract Labour (R&A) Act, 1970,
  - Payment of Bonus Act, 1965,
  - Income Tax Act,
  - Service Tax Act
  - and all other applicable Acts,shall be complied with, by the Contractor
- b) Contractor shall comply with all statutory requirements, rules, regulations, notifications in relation to employment of his employees issued from time to time by the concerned authorities.
- c) Contractor shall ensure payment of statutorily prescribed minimum wages as applicable from time to time in the presence of authorized representative of BHEL and maintain proper records of their timely disbursement. These records need to be preserved for a period of at least 3 years and should be made available even after the contract is over for any verification by the statutory authorities / BHEL authorities.
- d) Contractor to provide PF pass book to his employees and ensure payment of PF, EDLI , pension dues under EPF and MP Act, 1952 to the RPFC.
- e) Contractor shall ensure payment of ESI contribution under ESI Act, 1948 and provide ESI membership no. / Card of each employee. In case any exemption is claimed, copy of the exemption order shall be provided.
- f) Contractor shall produce proof of deductions as well as remittances of PF, EDLI, Pension, ESI Contribution, administrative charges etc., wherever applicable and shall maintain proper records. Contractor to issue wage slips to his employees. The contractor will be required to comply PF/ESI and other statutory contribution payments of wages of his employees.
- g) Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.
- h) Contractor shall be solely responsible for non-payment / delayed payment of wages / DA, contributions under EPF and MP Act, ESI Act etc.
- i) In case the Contractor fails to make payment of wages to his employees or remittances of contributions to the concerned authorities, the security deposit / other dues / running bills under the contract can be utilized by BHEL to discharge the liability of the Contractor.
- j) Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, Statutes or any Civil or Criminal Laws in connection with the employees deployed by him.
- k) The liability for any compensation on account of injury sustained by an employee of the Contractor will be exclusively that of the Contractor.

- l) Contractor to obtain insurance cover for his employees / equipments / tools & tackles etc., and take 3<sup>rd</sup> party risk insurance coverage at his own cost. BHEL shall not be responsible for any loss, damage, pilferage of his property and / or his employees.
- m) Contractor should have independent code numbers / exemptions under EPF and MP Act, 1952 and ESI Act, 1948 and shall cover his employees under the said codes.
- n) Payment of Bonus under the Payment of Bonus Act, payment of gratuity under the Gratuity Act, and retrenchment compensation under the relevant Act will be the sole responsibility of the Contractor.
- o) Over and above the daily wage rate, payment shall be made for leave with wages.
- p) Contractor shall observe provisions of the Factories Act in respect of working hours, holidays, rest intervals, leave and overtime to his employees. No work shall be done on 2<sup>nd</sup> or 3<sup>rd</sup> shift, overtime, Sundays or on other declared holidays without prior written permission.
- q) In case the Contractor employs women as employees, he will discharge his obligation under law, in respect of such women workers like prohibition of engaging them during night hours, prohibition of employing them for more than 9 hours per day, provision of crèche facility, grant of maternity leave as per rules etc.
- r) Contractor shall be responsible for making payment of wages before expiry of 7 days from the last day of wage period and shall ensure disbursement of wages in the presence of the authorities / representative of contract operating division who shall record under his signature at the end of entries in the Register of Wages.
- s) Contractor to obtain license under CL(R&A) Act, 1970

**BIDDER'S QUALIFYING CRITERIA**

**Qualifying Criteria from Sl.No. (1) & (2) as mentioned below has to be fulfilled by the bidders:**

- (1) Average Annual financial turnover during the last 3 years, ending 31st March - 16 of the previous financial year, should be at least 30% of the estimated cost.
- (2) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -
  - a. Three similar completed works costing not less than the amount equal to 40% of the estimated cost.

Or
  - b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost.

Or
  - c. One similar completed work costing not less than the amount equal to 80% of the estimated cost.

Definition of similar work(s): Only the following will constitute similar works:

- a. AMC or any other contract related to electrical services / works  
(does not include work/contract with exclusive scope of supply of material)

Notes:

- (A) The Bidder must submit documentary proof in support of each of the above conditions along with the techno commercial bid Part-I. Offer by the bidders who fail to submit the supporting documents or fail to qualify as per qualifying criteria will not be considered.
- (B) Bidder may attend Pre-Bid discussion 15days before opening of tender from 10 AM to 3 PM with prior appointment in their own interest. Any doubts will be clarified during the pre-bid discussions and guidelines will be given to the bidder for specialized works.
- (C) Conditional offers will not be accepted.

**Sub: BoQ for 'Rate contract of repair, rewinding & supply of spares for Ceiling fans/exhaust fan/desert cooler fans/wall mounted and pedestal fans, electric motors, Gas Regulators & Torch of MIG/TIG welding machines/earth pit etc.'**

Sl.	Description	Unit	Qty.	Rate(Rs./Qty.)	Amount(Rs.)
<b>I</b>	<b><u>Ceiling Fan</u></b>	---			
(A)	<b>Service Work</b>	---			
(i)	Servicing charges	Nos	80		
(ii)	Copper re-winding of stator	Nos	75		
(B)	<b>Replacement of Spares as follows:</b>	---			
(i)	Capacitor 2.5MFD, 220V, AC	Nos.	60		
(ii)	Bearing Model No :- 6201	Nos.	30		
(iii)	-do- 6203	Nos.	30		
(iv)	-do- 6301	Nos.	15		
(v)	Bushing	Nos.	15		
(vi)	Sheet Machining	Nos.	70		
<b>II</b>	<b><u>Desert Cooler</u></b>	---			
(A)	<b>Service Work</b>				
(i)	Servicing charges	Nos.	4		
(ii)	Shaft	Nos.	1		
(iii)	Copper re-winding of fan motor	Nos.	2		
(B)	<b>Replacement of Spares as follows:</b>	---			
(i)	Capacitor 4MFD, 220V, AC	Nos.	4		
(ii)	Bush for Fan shaft	Nos.	4		
<b>III</b>	<b><u>Exhaust Fan:</u></b>				
(A)	<b>Service work</b>				
(i)	Service Charge	Nos.	10		
(ii)	Copper re-winding of fan motor 550W/230V AC	Nos.	10		
(iii)	Shaft	Nos.	2		
(B)	<b>Replacement of Spares as follows:</b>				
(i)	Capacitor 2.5MFD, 220V, AC	Nos.	10		
(ii)	Bearing NBC/SKF make	Nos.	10		
(iii)	Bushing	Nos.	10		
<b>IV</b>	<b><u>Wall mounted/Pedestal Fan motor/Induction Motor</u></b>				
(A)	<b>Service Work</b>				
(i)	Service charge	Nos.	15		
(ii)	Copper re-winding: 1-Phase 1 HP 3000 RPM	Nos.	2		

(iii)	Copper re-winding: 1-Phase 1.5 HP 3000 RPM	Nos.	2		
(iv)	Copper re-winding: 1-Phase 2 HP 3000 RPM	Nos.	2		
(v)	Copper re-winding: 3-Phase 1 HP low/high	Nos.	2		
(vi)	Copper re-winding: 3-Phase 2 HP low/high	Nos.	2		
(vii)	Copper re-winding: 3-Phase 3 HP low/high	Nos.	2		
(viii)	Copper re-winding: 3-Phase 5 HP low/high	Nos.	1		
(ix)	Copper re-winding: 3-Phase 10 HP low/high	Nos.	1		
(x)	Copper re-winding: 3-Phase 15 HP low/high	Nos.	1		
(xi)	Copper re-winding: 3-Phase 20 HP low/high	Nos.	1		
(xii)	Bearing sheet machining	Nos.	2		
<b>(B)</b>	<b>Replacement of Spares as follows:</b>	---			
(i)	Cooling Fan (PVC)	Nos.	2		
(ii)	Copper Bushing for below 5 HP	Nos.	2		
<b>V</b>	<b>Control Transformers</b>				
<b>(A)</b>	<b>Service Work</b>				
(i)	Control transformer up to 200 VA Rewinding	Nos.	8		
(ii)	Control transformer 201 VA- 300 VA Rewinding	Nos.	2		
(iii)	Control transformer 301- 500 VA Rewinding	Nos.	1		
<b>VI</b>	<b>MIG/TIG welding machines</b>				
<b>(A)</b>	<b>Service work</b>				
(i)	Service Charge for Welding machine	Nos.	12		
(ii)	Service Charge for Torch repair	Nos.	20		
(iv)	Gas Regulator Repair	Nos.	30		
<b>(B)</b>	<b>Replacement of Spares as follows:</b>				
(i)	Tip Holder (M 8 X M8)	Nos.	10		
(ii)	Contact Tip:-M 8 X 2.0 .	Nos.	20		
(iii)	Diffuser	Nos.	5		
(iv)	Swam neck	Nos.	2		
(v)	Ero Adapter	Nos.	1		
(vi)	Gas Nozzle	Nos.	2		
(vii)	Torch Handle	Nos.	1		
(viii)	Torch Buck handle	Nos.	1		
(ix)	Teflon liner	Nos.	105		
(x)	Liner Holder	Nos.	20		
(xi)	Torch adapter	Nos.	2		
<b>VII</b>	<b>EARTH PIT</b>				
<b>(A)</b>	<b>Service work</b>				
(i)	Testing of earth pit	Nos.	60		
(ii)	Servicing of earth pit	Nos.	4		
<b>(B)</b>	<b>Supply &amp; erection work:</b>				

(i)	Construction of earth pit in RCC surface(Type of Earthing -CI Pipe (min. 50 mm inner dia 13 mm thick electrode)- size: 1.31 ft inner dia x 11 ft depth	Nos.	1		
(ii)	Construction of earth pit in Sand/Soil Surface (Type of Earthing -CI Pipe(min. 50 mm inner dia 13 mm thick electrode)- size: 1.31 ft inner dia x 11 ft depth	Nos.	3		
(iii)	Construction of earth pit in Sand/Soil Surface (Type of Earthing -GI Plate(600mmX600mmX 6 mm thick electrode)- size: 1.31 ftX1.31 ft x 11 ft depth	Nos.	3		
<b>(C)</b>	<b>Total Amount for service work (I(A)+II(A)+III(A)+IV(A)+V(A)+VI(A)+VII(A))</b>	-			
<b>(D)</b>	<b><u>Service Tax @ 15% of (C)</u></b>	-			
<b>(E)</b>	<b>Total amount for replacement of spare(I(B)+II(B)+III(B)+IV(B))</b>	-			
<b>(F)</b>	<b>Value added tax @ 13.5 % of (E) on spare replacement</b>	-			
<b>(G)</b>	<b>Supply &amp; erection work:(VII(B))</b>				
<b>(H)</b>	<b>S.Tax @ 6% of (G)</b>				
<b>(I)</b>	<b>Grand Total (C+D+E+F+G+H)</b>	-			