



**TRANSFORMERS AND ELECTRICALS KERALA LTD**  
**(A JOINT VENTURE OF GOVT. OF KERALA & NTPC LTD)**  
**ANGAMALY SOUTH P.O, ERANAKULAM DIST- 683 573**

**INVITATION FOR BIDS**

**BID DOCUMENT No. : TELK/C&M/FS/AMC-M/238/2020**

We are pleased to invite competitive tenders in sealed cover for “Annual Maintenance Contract for repair/rewinding of various Motors and making/rewinding of magnetic coils” strictly as per enclosed tender documents mentioned below.

**Bid Synopsis**

1. Name and Address of Owner : Transformers and Electricals Kerala Ltd  
Angamaly South, Ernakulum Dist,  
PIN - 683 573.
2. Name of Project. : **Annual Maintenance Contract for repair/rewinding of various Motors and making/rewinding of magnetic coils**
3. Location. : TELK, Angamaly
4. Nearest Airport. : Cochin International Airport, Nedumbassery
5. Accessibility. : Site is accessible by road, Rail & Air.
6. Contract Period further : Two years (09.04.2020 - 08.04.2022 ) & extendable for 6 months
7. Tender document issuing and receiving authority : Deputy General Manger(C&M)  
TELK, Angamaly South P.O.  
PIN- 683573,Ernakulam Dist.  
Kerala, India.
8. Tender Fee : Nil
9. Earnest Money Deposit (EMD) : Nil
10. Last date and time for submission of Bids : **23/03/2020, Time up to 4.00 PM**
11. Date and Time of Bid opening : **24/03/2020, Time at 2.30 PM**
12. Bid Validity : 60 days from the opening date.





13. The following are the tender documents :

- a. ANNEXURE 1 : Scope of Work & Special Conditions of Contract to BID DOC. No. **TELK/C&M/FS/AMC-M/238/2020.**
- b. ANNEXURE 2 : Rate Schedule BID DOC. NO. **TELK/C&M/FS/AMC-M/238/2020.**
- c. Annexure 3 : Format for un-priced commercial terms and conditions

**NOTES:**

1. All tender documents viz, NIT, Special Conditions of Contract shall be submitted along with Bid with signature and stamp of the vendor as a token of acceptance

Thanking you,

Yours Faithfully,  
For Transformers and Electricals Ltd Kerala



  
KALA L.

DEPUTY GENERAL MANAGER (C&M)

Angamaly,  
11/03/2020



**REVIEWED**

**SCOPE OF WORK & SPECIAL CONDITIONS OF CONTRACT****I. SCOPE OF WORK :**

Scope of Work include Repair/Rewinding of various motors and making/rewinding of magnetic coils. The details of various capacity motors / magnetic coils are listed below:-

- i. Magnetic coils as per attached drawing FS / EM / Motors / 1/86-R2 for making new coils/rewinding of coils.
  - a. Type 1
  - b. Type 2
  - c. Type 3
  - d. Type 5
- ii. Motors of 24" Ventura /Calcutta/ Usha/Crompton Greaves/Sun/Maruti/Almonard makes Single phase air circulators.
- iii. Motors of Single Phase Exhaust Fans of Bajaj/Crompton Greaves/Almonard make
- iv. Motors of Table Fan, Cabin Fan of Remi make
- v. 3 Phase Exhaust Fan Motor less than 250 W Capacity of Marathon make
- vi. Motors of 36", 48", 56" Ceiling Fan of Bajaj /CG/Usha make
- vii. 3 Phase Coolant Pump Motor
- viii. Single Phase Motor up to 1 HP capacity.
- ix. Single phase Shaded Pole Motor of Capacity less than 250W capacity
- x. 3 Phase Motors with following HPs

**II. SPECIAL CONDITIONS:**

- a) The motor will be sent to you for rewinding/repair whenever found defective and the same shall be rewound / repaired without any delay.
- b) The motors are to be repaired using the best quality insulation materials and polyester super enamelled copper wires of the original gauge, varnished, baked and tested. Replacing of defective parts such as bearings, bushes, capacitors etc. shall be done after intimating us and getting approval. The cost of spare parts used will be paid extra on producing relevant vouchers and the replaced defective parts are to be returned to us along with the rewound motor.
- c) The rewound motor shall be guaranteed for trouble free performance for a period of six months after handing over the motor. In the event of any breakdown of the motor within these 6 months due to defective materials used or workmanship attributable to your repairs, the same shall be repaired at your cost.
- d) The rates quoted for the rewinding shall be inclusive of cost of all materials used and after adjusting for the cost of scrap copper removed from the burned motor or magnetic coils.

**III. DURATION OF CONTRACT:** Contract Period will be **Two Years from 09.04.2020 and up to 08.04.2022**. The company reserves the right to extend the contract further period of 6 months at the same rates and terms & conditions.

Annual Maintenance Contract for repair/rewinding of various Motors and making/rewinding of magnetic coils BID DOC. No: TELK/C&M/FS/AMC-M/238/2020	Section : SW & SCC	Page 1 of 2
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IV. **TRANSPORTATION** : The to and fro transportation of the equipment will be arranged by us.

V. **GST & TAXES**: Statutory GST and taxes will be applicable. All applicable statutory deductions like TDS will be deducted from the bill of the supplier/contractor.

VI. **PAYMENT TERMS** : After satisfactory completion of rewind, you may send your bill for payment. Payment will be processed only after successful working of motors/equipment at least for 2 weeks and will be made within 3 weeks of acceptance after repair.

**VII. JURISDICTION :**

Any legal claim arising out of this contract shall be subjected to the jurisdiction courts having jurisdiction over the area in which our factory situates.

**VIII. TERMINATION OF CONTRACT :**

TELK reserves the right to terminate the contract at any time if the performance of the contractor is unsatisfactory. However, 10 days advance notice will be given to the contractor before terminating the contract. No claim will be entertained after termination of the contract.

IX. **EVALUATION CRITERIA** : Evaluation of the offers will be on **“To-Door Cost at TELK, Angamaly”** based on NET Cash outflow to TELK. For technical qualification, TELK will be evaluating bidder’s capability to execute the contract, past performance references and commercial terms offered. In case the lowest bidder (L1) is not a registered / approved supplier of TELK, Angamaly, they will be considered only after evaluation by TELK authorities and enlisting as approved/registered supplier. They shall submit duly filled vendor capability report/supplier registration requisition form available in our website [www.telk.com](http://www.telk.com).

X. In case L1 is a new supplier to TELK, L2 may also be considered in order to meet the requirements. TELK reserves the right to split the work order among various contractors based on the lowest rate quoted by them for individual items.

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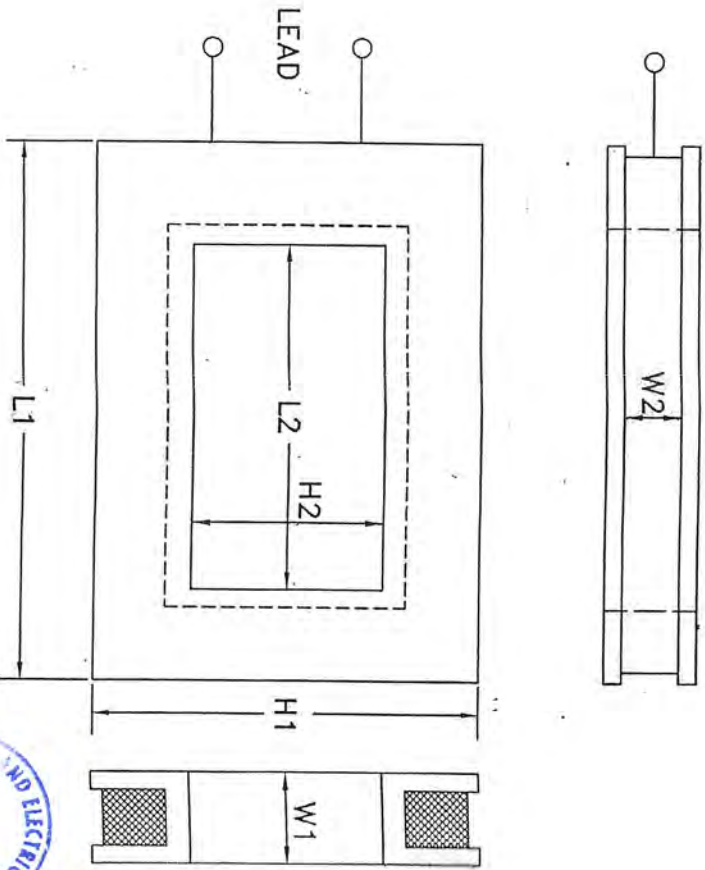
NOTE: 1) LEAD WIRE SHOULD BE 2.5MM FLEXIBLE SOURE COPPER WIRE

2) ALL DIMENSIONS ARE IN MM

3) BEST APPROVED QUALITY 3 MM HYLEM SHOULD BE USED FOR 'BOBIN'

4) START AND FINISH POINTS SHOULD BE MARKED AS 'S' & 'F'

5) LEAD WIRE SHOULD BE SOLDERED AT BOTH ENDS



	TYPE 1	TYPE 2	TYPE 3	TYPE 5
L1	125 <sup>+0</sup> <sub>-2</sub>	95 <sup>+0</sup> <sub>-2</sub>	85	50
L2	85 <sup>+0</sup> <sub>-0</sub>	61 <sup>+0</sup> <sub>-0</sub>	52	36
H1	95 <sup>+1</sup> <sub>-1</sub>	85 <sup>+1</sup> <sub>-1</sub>	68	34
H2	60 <sup>+0</sup> <sub>-0</sub>	47 <sup>+0</sup> <sub>-0</sub>	33.5	20
W1	35 <sup>+1</sup> <sub>-1</sub>	35 <sup>+0</sup> <sub>-2</sub>	33	23
W2	29	29 <sup>+0</sup> <sub>-2</sub>	28	21
SWG	19	23	24	36
TURNS	310	450	825	1300

SAMPLE SHOULD BE GOT APPROVED



NO. OF CORRECTION	REVISION	CHECKED	APPROVED	DATE	NO. OF CORRECTION	REVISION	CHECKED	APPROVED	DATE
2	DIMENSION OF TYPE 3 COIL CHANGED								

ALL DIMENSIONS ARE IN mm UNITS		STATUS OF DRG.	
DRN/ DRN	KRV	PROJECTION	SCALE
TCD/ CAD		SCALE	
RGD/ RECD		TELK	EM-BRAKE-COIL FOR CRANES
CHD/ CHD1		TELK	TELK DRG NO R1/2
CHD/ CHD2		TELK	FS/EM/MOTORS/1/86-R1
APPD/ APPD		TELK	

## ANNEXURE 2

RATE SCHEDULE TO BID DOCUMENT No. : TELK/C&M/FS/AMC-M/238/2020		
Annual Maintenance Contract for Repair/Rewinding of Various Motors and Making of Magnetic Coils		
Sl. No.	Item Description	Basic Unit Rate (Rs)
1	Magnetic coils as per attached drawing FS/EM/Motors/1/86-R2 for making new coils /rewinding of coils	
(i)	Type-1	
(ii)	Type-2	
(iii)	Type-3	
(iv)	Type-5	
2	Motors of 24" Ventura /Calcutta/ Usha/Crompton Greaves/Sun/Maruti/ Almonard makes Single phase air circulators	
3	Motors of Single Phase Exhaust Fans of Bajaj/Crompton Greaves/Almonard make	
4	Motors of Table Fan, Cabin Fan of Remi make	
5	3 Phase Exhaust Fan Motor less than 250 W Capacity of Marathon make	
6	Motors of 36", 48", 56" Ceiling Fan of Bajaj/CG/Usha make	
7	3 Phase Coolant Pump Motor	
8	Single Phase Motor up to 1 HP capacity	
9	Single phase Shaded Pole Motor of Capacity less than 250W capacity	



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Annual Maintenance Contract for Repair/Rewinding of Various Motors and Making of Magnetic Coils					
Sl. No.	Item Description	Basic Unit Rate (Rs)			
		1000 RPM	1500 RPM	3000 RPM	Rotor for Slipping Induction motors
10	3 phase Motors with following HP's				
(a)	less than 1 HP				
(b)	1 HP				
(c)	1.5 HP				
(d)	2 HP				
(e)	3 HP				
(f)	5 HP				
(g)	5 HP VARIABLE SPEED MOTORS (4 POLE,2 POLE)				
(h)	7.5 HP				
(i)	7.5 HP VARIABLE SPEED MOTORS (4 POLE,2 POLE)				
(j)	10 HP				
(k)	12 HP				
(l)	15 HP				
(m)	20 HP				
(n)	20 HP VARIABLE SPEED MOTORS (12 POLE,8 POLE,6 POLE,2 POLE)				
(o)	25 HP				
(p)	30 HP				
(q)	35 HP				
(r)	40 HP				
(s)	50 HP				
(t)	60 HP				
(u)	100 HP				



AUTHORIZED SIGNATORY

Un-Priced Commercial Terms & Conditions to Bid Doc. No. TELK/C&M/FS/AMC-M/238/2020		
Sl.No.	Particulars	Remarks by Bidders
1	GST (if applicable)	
2	Submission of all Tender Documents duly signed & stamped for its acceptance	Yes/No
3	Bid shall be valid for 60 days from the date of opening of tender. Date may be confirmed here	
4	Acceptance of Technical Specification /All other Terms & Conditions	Yes/No
5	Contact details of the contractor (Name, address, Tel. No. Mob. No. email ID etc)	



Authorized signatory with seal