

TRANSFORMERS AND ELECTRICALS KERALA LIMITED

(A Joint Venture of Government of Kerala & NTPC Limited)

Angamally South P.O, Ernakulam District, Kerala, INDIA, Pincode 683 573, www.telk.com
 Phone : 0484-2510251, 2510 Ext 330,331,332,334 Fax: 91-0484 2458995,2452873: mrm@telk.com
 CIN:U31102KL1963SGC002043 ENQUIRY LETTER (OFFICE COPY)

Ref. : PUR/CPTL/FS/20/3147

Page : 1

Date : 17/03/2020

As Per List Attached

PR No.: FS/3147/Z

Dear Sirs,

We require the following materials. Please send your quotation for the supply of the same so as to reach us on or before 06/04/2020.

Sl No	Itemcode	Description & Specification	UOM	Quantity Required	Delivery Before	Deliver Quantit
1	514600304	LIGHTNING ARRESTER LIGHTNING ARRESTER AS PER MATERIAL SPECIFICATION NO: VNA/LAPS/20/KVB	NO	1.000	18/04/2020	1.00

1. Prices : Price should be quoted for delivery of materials at our Stores, Angamally / F.O.R. Angamally.
2. Taxes : If any tax has to be paid extra, this and the rate of tax should be specified clearly in your quotation.
3. Delivery : Delivery is required as above.
4. Validity : The quotation should be valid for minimum period of 60 days from the date of opening of tender.
5. LD : LD @ 1% per week or part thereof subject to a maximum of 10% of order value will be applicable for deliveries beyond the mutually agreed dates

+-----+
 ;Note : Quotation should be sent in Sealed Cover ;
 ; ;

;Superscribed Tender No. : CPTL/FS/20/3147 ;

;Due on : 06/04/2020 ;

;Quotation not enclosed in sealed cover and that ;

;received after the due date will be rejected. ;
 +-----+

Yours faithfully


 SENIOR MANAGER (MATERIALS)

Note: Copy(ies) of drawing(s)/material standard/sketch is/are enclosed/available with you.

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- 1.0) SCOPE OF WORK : SUPPLY & INSTALLATION OF LIGHTNING ARRESTOR AT ADMINISTRATIVE BUILDING OF TELK, ANGAMALY. QTY : 1 NO.
- 2.0) SPECIFICATIONS : PLEASE SEE THE ENQUIRY LETTER, ENQUIRY ANNEXURE, PRE-QUALIFYING REQUIREMENTS, TECHNICAL SPECIFICATION : VNA/LAPS/20/KVB DATED 09/03/2020 AND GENERAL TERMS & CONDITIONS OF ENQUIRY.
- 3.0) QUOTATION SHALL BE SUBMITTED IN TWO COVER SYSTEM. TECHNICAL BID AND FINANCIAL BID SHALL BE SUBMITTED IN TWO SEPARATE COVERS WITH PROPER IDENTIFICATION. COVER-2 SHALL CONTAIN ONLY THE FINANCIAL BID. ALL OTHER DOCUMENTS SHALL BE SUBMITTED IN COVER-1. COVER-1 AND COVER-2 SHALL BE ENCLOSED IN A LARGER ENVELOPE SUPERSCRIBING THE ENQUIRY NUMBER AND DUE DATE.
- 4.0) RATE QUOTED SHALL BE FOR DOOR DELIVERY AT TELK STORES. GST, PACKING & FORWARDING (IF ANY) AND FREIGHT CHARGES (IF ANY), MAXIMUM TIME SCHEDULE REQUIRED FROM THE DATE OF RECEIPT OF PURCHASE ORDER FOR DELIVERING THE MATERIAL AT TELK STORES SHALL BE CLEARLY MENTIONED IN THE QUOTATION.
- 5.0) GUARANTEE/WARRANTY PERIOD SPECIFIED : 5 YEARS FROM THE DATE OF SUCCESSFUL INSTALLATION OF THE SYSTEM AT TELK. SERVICE GUARANTEE FOR ANOTHER 15 YEARS SHALL BE PROVIDED OVER AND ABOVE THE 5 YEARS WARRANTY PERIOD. TELK WILL BEAR THE COST OF NECESSARY SPARES DURING THE 15 YEARS PERIOD BUT SERVICE SHALL BE PROVIDED BY THE SUPPLIER FREE OF COST. A SERVICE GUARANTEE CERTIFICATE SHALL BE SUBMITTED BY THE SUCCESSFUL BIDDER IN THIS REGARD IMMEDIATELY AFTER INSTALLATION OF THE LIGHTNING ARRESTOR. PLEASE SEE THE SPECIAL INSTRUCTIONS IN THE SPECIFICATION SHEET ALSO.
- 6.0) PERFORMANCE BANK GUARANTEE : THE SUCCESSFUL BIDDER WITHIN 30 DAYS OF THE AWARD OF PURCHASE ORDER, SHALL BE REQUIRED TO SUBMIT A PERFORMANCE BANK GUARANTEE (PBG) ISSUED BY THE STATE BANK OF INDIA OR ANY OTHER NATIONALIZED BANK EQUIVALENT TO 10% OF THE BASIC PURCHASE ORDER VALUE IN THE FORM PRESCRIBED BY THE PURCHASER FOR THE FAITHFUL PERFORMANCE OF THE PRODUCT DURING THE 5 YEARS WARRANTY PERIOD. PBG ISSUED BY FOREIGN BANKS IS NOT ACCEPTABLE. THE "PBG" SHALL HAVE A CLAIM PERIOD OF 30 DAYS BEYOND COMPLETION OF THE WARRANTY PERIOD. IF THE SUPPLIER FAILS TO FURNISH



SENIOR MANAGER (MATERIALS)

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THE PBG WITHIN THE STIPULATED TIME, THE PURCHASER RESERVES THE RIGHT TO WITHHOLD PART OF THE PAYMENT EQUIVALENT TO 10% OF THE BASIC PURCHASE ORDER VALUE. THE PBG/WITHHELD PAYMENT WILL BE RELEASED ONLY AFTER 30 DAYS AFTER SUCCESSFUL COMPLETION OF THE WARRANTY PERIOD.

- 7.0) VENDORS SHALL SUBMIT ALL THE TENDER DOCUMENTS DULY SIGNED AND STAMPED AS A TOKEN OF ITS ACCEPTANCE.
- 8.0) LIQUIDATED DAMAGES/PENALTY : LIQUIDATED DAMAGES WILL BE LEVIED FOR ANY DELAYED LOT DELIVERY BEYOND 45 DAYS FROM THE DATE OF ISSUE OF PURCHASE ORDER @ 1 % OF THE ORDER VALUE PER WEEK OF DELAY SUBJECT TO A MAXIMUM OF 10% OR PART THEREOF.



SENIOR MANAGER (MATERIALS)

SCOPE OF WORK AND SPECIAL TERMS & CONDITIONS OF CONTRACT

1. SCOPE OF WORK :

Supply & installation of **LIGHTNING ARRESTER** at Administrative Block of TELK, Angamaly. Refer the attached document No. VNA/LAPS/20/KVB (2 pages) for detailed specifications.

2. PRE-QUALIFYING REQUIREMENTS :

- a. The Firm/Agency/Bidder shall have minimum 5 years experience in the field of supplying the similar equipment to Govt. Organizations / PSUs / State Govt. or any reputed organization/institute. Documentary proof of having 5 years experience in the related field shall be furnished.
- b. The Firm/Agency/Bidder should have completed minimum 2 similar contracts during the period of last 04 years in the Govt. Organizations/PSUs/State Govt. or any other reputed organization/institute. Copy of satisfactory performance certificates (for minimum 2 contracts) received from the Clients shall be furnished.
- c. The Firm/Agency/Bidder shall have a gross sales turnover of Rs.10 lakhs per annum (minimum) for the last three years. The Audited Balance Sheet for the last three years shall be furnished as supporting documents.
- d. The Firm/Agency/Bidder shall be an Income Tax assessee for last three years. Copies of Income tax returns for the last 03 years and GST Certificate & PAN Card shall be furnished.

3. SUPPLY & INSTALLATION :

Supply & Installation of Lightning Arrestor shall be completed within 45 days from the date of receipt of the Purchase Order.

Please note that Contract can be cancelled unilaterally by TELK in case product is not supplied & installed within the specified delivery period. Extension of contractual delivery period will be at the sole discretion of TELK, with applicability of LD clause.

4. PAYMENT TERMS :

Payments will be made within 45 days of receipt, installation and acceptance of the product. Applicable GST will be paid extra on producing documentary evidence.

5. GUARANTEE/WARRANTY :

The equipment shall be under the guarantee/warranty for a period of 5 years from the date of successful installation of the Lightning Arrester. If the product is found defective during the Guarantee/Warranty period, the same shall be replaced by the supplier free of cost.

In addition to the above, supplier shall provide Annual Service Guarantee for a period of 15 years after expiry of the above 5 years Warranty. During this period, TELK will bear the cost of spares but service shall be provided by the supplier free of cost. A Service Guarantee Certificate in this regard shall be submitted by the supplier to TELK immediately after installation of the Lightning Arrester.



6. PENALTY/LIQUIDATED DAMAGES :

LD/Penalty will be charged for the delay beyond 45 days from the date of issue of work order @ 1% of the total value of the contract price (excluding GST and other taxes) per week subject to a maximum of 10% of the total basic purchase order value.

7. PERFORMANCE BANK GUARANTEE :

The supplier is required to furnish 10% of the order value in the form of Bank Guarantee obtained issued by Nationalized/Scheduled Bank (PBG issued by Foreign banks are not acceptable) towards Performance Security. The Bank Guarantee shall remain valid for a period of 30 days beyond the expiry of 5 years Warranty. The Bank Guarantee shall be submitted by the supplier within 30 days from the date of receipt of work order.

8. JURISDICTION :

Any dispute arising out of this contract will be subject to the jurisdiction of courts having jurisdiction over the area in which our factory situates.

9. SPECIAL INSTRUCTIONS :

- a. Supplier shall carry out maintenance of the Lightning Arrester **once in an year** during the Guarantee/Warranty period.
- b. TELK shall have the right to terminate the contract at any time with 30 days advance notice to the supplier. No claim will be entertained after termination of the contract.
- c. The installation/repair work shall be carried out without causing any damage to the company properties. In case of any such damage caused by the supplier or his men, the supplier will have to suitably compensate for the same.
- d. Sufficient insurance policy shall be taken by the supplier for the employees deputed by him to our company for the work. No compensation will be given to the supplier if any accident may happen to his employees during installation or servicing of the Lightning Arrester.

Enclosure : Specification document No. VNA/LAPS/20/KVB dated 09/03/2020 – 2 pages



SPECIFICATION OF LIGHTNING ARRESTER PROTECTION SYSTEM

Sl. No.	Particulars	Qty.
1	<p>Supply of Vertical Air Terminal as per IS/IEC -62305 –Vertical Needed Antenna- Solid Copper Lightning Arrester with Chromium coated Power type early emitting winded ionizer Heavy bold type early streamer emitting air terminals are designed to emit a high beam of streamer early in the streamer-formation phase of a lightning strike receiver system with horizontal and vertical heavy needed EASE antenna spike receiver, supporting rod with positive absorber inbuilt, striking highly resisting parabolic dish, dish clamp, brass fitting kit and GI pipe B class ISI mark for fixing spike receiving antenna.</p> <p>Vertical antenna should be placed as in effective angle protection with the building roof.</p> <p>Antenna supported by GI pipe stand and covered by PVC pipe.</p>	1 Set
2	Supply of copper flat conductor having 50 sq.mm cross sectional area from vertical antenna to the ground/earth pit as required with suitable insulator as per IS/IEC-62305.	30 m (approx.)
3	<p>Earthing System (For each vertical antenna)</p> <p>Earth Pit Size : 1 m x 1m x 1.5 m</p> <p>Heavy bonded copper earth plate : 2 nos. (Supply & installation of maintenance free Earthing system comprises of molecularly bonded copper of 99.9% purity on low carbon steel having size of 450 mm x 300mm x 3mm-copper bonding thickness of 500 microns)</p> <p>Heavy bonded copper earth rod- 1No. (Supply & installation of maintenance free Earthing system comprises of molecularly bonded copper of 99.9% purity on low carbon steel of 1500mm length, having a diameter of 17 mm with copper bonding thickness of 250 microns) with double sided double winded ionizer earthing termination system.</p> <p>Earthing chemical – maintenance free- (Earth enhancing mineral compound is used for improving the soil conductivity. The material shall be mineral inert to sub soil and shall not pollute the environment and non corrosive to earth rod.)</p> <p>Earthing heavy bond compound-moisture retainable – 40 kg</p> <p>Earthing electrofil compound-carbon based-25 kg</p> <p>Charcoal - 25 kg. To 40 kg.</p>	1 Set



Sl. No.	Particulars	Qty.
4	Earthing chamber : Polypropylene & Polyethylene Earth electrode inspection chamber with heavy duty cover should be used to cover the Earth Rod. The dimension shall be 170mm x 170mm x 170mm with a weight bearing capacity of 50KN as per IS/IEC – 62305	1 Set
5	Joints & connectors : Properly tinned/brazed – SS, copper & brass connectors/nuts & bolts as per IS/IEC – 62305	As per requirement
6	Test link box : Test link box should be provided 1.5m above ground level for each down conductor at suitable location – inspection accessible location. Test link – 25mm x 3 mm tinned copper strip. All the joints should be properly tinned/brazed. Supply, installation, testing and commissioning of test link terminal box including necessary accessories as required as per IS/IEC – 62305.	1 Set
7	Installation and commissioning	-



PRE-QUALIFYING REQUIREMENTS TO ENQUIRY No. PUR/CPTL/FS/20/3147

Sl. No.	Particulars	Remarks by the Bidders
1	The Firm/Agency/Bidder shall have minimum 5 years experience in the field of supplying the similar equipment to Govt. Organisations / PSUs / State Govt. or any reputed organization/institute. Documentary proof of having 5 years experience in the related field shall be furnished.	Yes /No (supporting documents shall be furnished)
2	The Firm/Agency/Bidder should have completed minimum 2 similar contracts during the period of last 04 years in the Govt. Organisations / PSUs / State Govt. or any other reputed organization/institute. Copy of Performance certificates (minimum 2 Nos.) received from the Clients shall be furnished.	Yes /No (supporting documents shall be furnished)
3	The Firm/Agency/Bidder shall have gross turnover of Rs.10 lakhs per annum (minimum) for the last three years. Audited Balance Sheets for the last three shall be furnished.	Yes /No (supporting documents shall be furnished)
4	The Firm/Agency/Bidder shall be an income tax assessee for the last three years. Copies of Income tax returns for the last 03 years and GST Certificate & PAN Card shall be furnished.	Yes /No (supporting documents shall be furnished)

Notes :

- (1) Price bid of those vendors who are found qualified as per the Pre-Qualifying Requirements stated above will only be opened
- (2) Supporting documents to prove conformity of qualifying requirements shall be submitted along with the technical bid (Cover-1)



Authorized signatory with seal

**UN-PRICED COMMERCIAL TERMS & CONDITIONS TO ENQUIRY No.
PUR/CPTL/FS/20/3147**

Sl. No.	Particulars	Remarks by Bidders
1	Submission of all Tender Documents duly Signed & Stamped for its acceptance	Yes/No
2	Submission of pre-qualifying requirements and all the supporting documents	Yes/No
3	Acceptance of all terms & conditions of the tender documents. Deviations if any shall be submitted as a separate document	Yes/No
4	Bid shall be valid for 60 days min. from the date of opening of tender. Validity period shall be specified	Yes/No Date :
5	Applicable GST	
6	P&F Charges (if any) shall be quoted in the price bid	
7	Freight Charges (if any) shall be quoted in the price bid	
8	Transit Insurance charges shall be borne by the Supplier and shall be included in the quoted price	Yes/No
9	Offered Warranty period of the products from the date of receipt, installation and acceptance at TELK shall be given	
10	Readiness to provide additional service guarantee of 15 years over & above the 5 years normal warranty period	
11	Maximum time schedule from the date of receipt of purchase order for supply & installation at TELK	
12	Readiness to submit performance Bank Guarantee for an amount equivalent to 10% of the basic order value OR withholding 10% payment until the completion of 5 years warranty period in the event of placing the purchase order as per the terms & conditions.	Yes/No
13	Contact Details of the Bidder (Name, address, Mob. No. email etc)	



RATE SCHEDULE

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SPECIFICATION OF LIGHTNING ARRESTER PROTECTION SYSTEM

Sl. No.	Particulars	Qty.	Basic Unit Rate	Total Amount
			(Rs.)	
1	<p>Supply of Vertical Air Terminal as per IS/IEC -62305 – Vertical Needled Antenna- Solid Copper Lightning Arrester with Chromium coated Power type early emitting wined ionizer Heavy bold type early streamer emitting air terminals are designed to emit a high beam of streamer early in the streamer-formation phase of a lightning strike receiver system with horizontal and vertical heavy needled EASE antenna spike receiver, supporting rod with positive absorber inbuilt, striking highly resisting parabolic dish, dish clamp, brass fitting kit and GI pipe B class ISI mark for fixing spike receiving antenna.</p> <p>Vertical antenna should be placed as in effective angle protection with the building roof.</p> <p>Antenna supported by GI pipe stand and covered by PVC pipe.</p>	1 Set		
2	Supply of copper flat conductor having 50 sq.mm cross sectional area from vertical antenna to the ground/earth pit as required with suitable insulator as per IS/IEC-62305.	30 m (approx)		
3	<p>Earthing System (For each vertical antenna)</p> <p>Earth Pit Size : 1 m x 1m x 1.5 m</p> <p>Heavy bonded copper earth plate: 2 nos. (Supply & installation of maintenance free Earthing system comprises of molecularly bonded copper of 99.9% purity on low carbon steel having size of 450 mm x 300mm x 3mm-copper bonding thickness of 500 microns)</p> <p>Heavy bonded copper earth rod- 1No. (Supply & installation of maintenance free Earthing system comprises of molecularly bonded copper of 99.9% purity on low carbon steel of 1500mm length, having a diameter of 17 mm with copper bonding thickness of 250 microns) with double sided double wined ionizer earthing termination system. Earthing chemical – maintenance free- (Earth enhancing mineral compound is used for improving the soil conductivity. The material shall be mineral inert to sub soil and shall not pollute the environment and non corrosive to earth rod.)</p> <p>Earthing heavy bond compound-moisture retainable – 40 kg</p> <p>Earthing electrofil compound-carbon based-25 kg</p> <p>Charcoal - 25 kg. To 40 kg.</p>	1 Set		



Sl. No.	Particulars	Qty.	Basic Unit Rate	Total Amount
			(Rs.)	
4	Earthing chamber: Polypropylene & Polyethylene Earth electrode inspection chamber with heavy duty cover should be used to cover the Earth Rod. The dimension shall be 170mm x 170mm x 170mm with a weight bearing capacity of 50KN as per IS/IEC – 62305	1 Set		
5	Joints & connectors: Properly tinned/brazed – SS, copper & brass connectors/nuts & bolts as per IS/IEC – 62305	Lump-sum		
6	Test link box: Test link box should be provided 1.5m above ground level for each down conductor at suitable location – inspection accessible location. Test link – 25mm x 3 mm tinned copper strip. All the joints should be properly tinned/brazed. Supply, installation, testing and commissioning of test link terminal box including necessary accessories as required as per IS/IEC – 62305.	1 Set		
7	Installation and commissioning charges	Lump-sum		
8	Applicable GST	%		

