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Electronics Corporation of India Limited
 A Government of India Enterprise
CONTROL & AUTOMATION DIVISION-PURCHASE
 ECIL Post, Hyderabad - 500 062.

ENQUIRY No. EC/PUR/TAD/

1970/451518

DATE : 2014.07.02

DUE DATE : 2014.07.24

Ph:

e-mail:
 EXTRA COPY

Contact: Smt Y. HEMALATHA (SM)

Dear Sir(s),

Kindly submit you quotation in a Sealed Envelope Superscribing Enquiry No. and Due Date for the supply of the following items as per terms and conditions overleaf to PURCHASE MANAGER - CONTROL & AUTOMATION DIVISION ECIL, HYDERABAD-62. QUOTATIONS AGAINST EACH TENDER SHALL BE SENT IN SEPARATE ENVELOPE. QUOTATIONS RECEIVED AFTER THE DUE DATE AND TENDERS SENT IN OPEN/UNSUPERSCRIBED ENVELOPE WILL BE REJECTED. PLEASE SEND REGRET LETTER, IF YOU ARE NOT ABLE TO QUOTE TO CONTINUE TO KEEP YOUR NAME IN OUR MAILING LIST.

IMPORTANT INSTRUCTIONS

Parties must give the following information otherwise offer may be rejected.

- | | |
|--|---|
| 1. Unit Rate and Terms of price | 6. Estimated Packing and Forwarding Charges |
| 2. Quantity discount if any | 7. Validity of quotation |
| 3. Rate of Excise Duty, Sales Tax if any | 8. Terms of payment |
| 4. Firm Delivery schedule | 9. Sales Tax Registration Number/
VAT and Service Tax Regn. No |
| 5. Mode of despatch | 10. SSI/NSI Regn. No. |

Sl.No.	Material Description and Specification	Estimated Requirement	
		Unit Code	Quantity
1	4 Core Single mode, 9/125 micron, LSZH Fire resistant Fiber Optic Cable, Pyrosafe, Unit: KMs. Make: R & M, Type: R795009	Nos.	19
2	4 Core Multimode, 50/125 micron, LSZH Fire resistant Fiber Optic Cable, Pyrosafe, Unit: KMs Make: R & M, Type: R795010	Nos.	38
3	CAT6 UTP LSZH Cable, Unit: Drum of 500 Mtrs., Colour: Grey Make: R & M, Type: R35057	Nos.	4
Refer Annexure-1 & 2 enclosed for specifications and General Notes			
Special Notes.			
1. OUF. PAYMENT TERMS ARE 90 DAYS CREDIT. PLEASE QUOTE WITH THE SAME TERMS.			
2. PLEASE SEND CATALOGUES AND DATA SHEETS ALONG WITH YOUR OFFER.			
3. PLEASE QUOTE TERMS OF PRICE AS FREE DELIVERY TO OUR STORES			
4. THE ABOVE MATERIALS ARE URGENTLY REQUIRED. PLEASE QUOTE EARLIEST DELIVERY DATE.			
5. IF YOU ARE UNABLE TO QUOTE, SEND REGRET LETTER POSITIVELY.			

- NOTE:** 1. CERTIFICATE OF COMPLIANCE/BATCH CERTIFICATE /CCOE/CMRI/ATX/WARRANTY TEST CERTIFICATE SHALL BE FURNISHED. PLEASE CONFIRM.
2. DATA SHEETS (CATALOGUES) SHALL BE SUPPLIED WITH THE QUOTATION.
3. IF THE MATERIAL IS COVERED UNDER DGS & D RATE CONTRACT. PLEASE QUOTE THE RATES ACCORDINGLY.
4. IF THE MATERIAL IS COVERED UNDER EXCISE, FURNISH EXCISE TARIFF NUMBER AND CLASSIFICATION.

Yours faithfully,

For Electronics Corporation of India Limited

वाई. हेमलता / Y. HEMALATHA
 बरिष्ठ प्रबंधक / Senior Manager
 सीएटी-इन्फो/CONTROL & AUTOMATION
 ई सी आई पोस्ट, HYDERABAD
 ECIL HYDERABAD-500 062

Phone : +91-40-2718 6619, 2718 2395 & 2718 2242, 2712 1013
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6. Estimated Packing and Forwarding Charges
7. Validity of quotation
8. Terms of payment
9. Sales Tax Registration Number/
VAT and Service Tax Regn. No
10. SSI/NSI Regn. No.

Sl.No.	Material Description and Specification	Estimated Requirement	
		Unit Code	Quantity
	<p>BY FAX/MAIL.OUR FAX NO 27121013 AND MAIL ID yhemalatha@ecil.co.in.TO ENABLE US TO KEEP YOU IN MAILING LIST.</p> <p>6.QUOTATIONS BY E-MAIL WILL NOT BE CONSIDERED. SEND SEALED (WITH CELLO TAPE) HARD COPY ONLY.THEN ONLY OUR FINANCE DEPT. WILL ACCEPT.</p>		

- NOTE:**
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Yours faithfully,

For **Electronics Corporation of India Limited**

याई. हेमलता / Y. HEMALATHA
 वरिष्ठ प्रबंधक / Senior Manager
 सीएडी - CONTROL & AUTOMATION DIVISION
 ई.पी.ओ. ऑफिस, ई.पी.ओ. 62
 ECIL, HYDERABAD-500 062

1. Specifications of 4 core Single mode, 9/125 micron, LSZH Fire resistant Fiber Optic cable, Pyrosafe:

- Optical fiber cable for indoor and outdoor use in vital communication and emergency systems
- Outer sheath shall be made of UV stabilized and weather resistant material
- Cable shall have resistance to diesel and oils
- Cable shall be reinforced with a steel wire braiding to meet rodent / termite protection.
- Cable shall be Halogen free and flame retardant
- Outer sheath shall be marked Fiber type, cable type and length markings
- Cable outer diameter: 15.5 mm, weight: 290 kg/km and drum capacity: 3 Km
- The fibers shall be protected in jelly filled loose tubes stranded around a central strength member to ensure optimum performance and long life
- Each fiber and loose tubes shall be color coded according to IEC 60304 for easy identification during splicing and termination.
- Fiber class: G652.D, OS1 as per IEC 11801 classification
- Attenuation:
 - * Typical 0.33 – 0.37 dB/km @ 1310 nm
0.19 – 0.23 dB/km @ 1550 nm
 - * Maximum ≤ 0.40 dB/km @ 1310 nm
≤ 0.25 dB/km @ 1550 nm
- Cable properties:
 - * Tensile strength (IEC 60794-1) Max load during installation 1800 N
Max load during operation 1200 N
 - * Crush resistance (IEC 60794-1) 3000 N / 10 m
 - * Impact resistance (IEC 60794-1) 20 J
 - * Torsion (IEC 60794-1) ± 1 turn / m
 - * Min bending diameter (IEC 60794-1) 290 mm
- Cable shall comply with the following standards:
 - * Fire resistance / survival IEC 60331-25 (750°C, 90 Mts)
 - * Fire retardant IEC 60332-3-22 & IEC 60332-3-24
 - * Smoke emission IEC 61034
 - * Gas emission (Halogen & Acid matters) IEC 60754-1 & IEC 60754-2
 - * Mechanical properties IEC 60794-1
 - * Color Coding IEC 60304
- Operating Conditions:
 - Temperature : +70° C
 - Humidity: 95% non-condensing

Make & Type No: R & M / R795009

2. Specifications of 4 core Multimode, 50/125 micron, LSZH Fire resistant Fiber Optic cable, Pyrosafe:

- Optical fiber cable for indoor and outdoor use in vital and communication and emergency systems
- Outer sheath shall be made of UV stabilized and weather resistant material
- Cable shall have resistance to diesel and oils
- Cable shall be reinforced with a steel wire braiding to meet rodent / termite protection.
- Cable shall be Halogen free and flame retardant
- Outer sheath shall be marked Fiber type, cable type and length markings
- Cable outer diameter: 15.5 mm, weight: 290 kg/km and drum capacity: 3 Km
- The fibers shall be protected in jelly filled loose tubes stranded around a central strength member to ensure optimum performance and long life
- Each fiber and loose tubes shall be color coded according to IEC 60304 for easy identification during splicing and termination.
- Fiber class: G651, OM2 as per IEC 11801 classification
- Attenuation:
 - * Typical ≤ 2.5 dB/km @ 850 nm
 ≤ 0.7 dB/km @ 1300 nm
 - * Maximum ≤ 2.7 dB/km @ 850 nm
 ≤ 0.8 dB/km @ 1300 nm
- Cable properties:
 - * Tensile strength (IEC 60794-1)

Max load during installation	1800 N
Max load during operation	1200 N
 - * Crush resistance (IEC 60794-1) 3000 N / 10 m
 - * Impact resistance (IEC 60794-1) 20 J
 - * Torsion (IEC 60794-1) ± 1 turn / m
 - * Min bending diameter (IEC 60794-1) 290 mm
- Cable shall comply with the following standards:
 - * Fire resistance / survival IEC 60331-25 (750°C, 90 Mts)
 - * Fire retardant IEC 60332-3-22 & IEC 60332-3-24
 - * Smoke emission IEC 61034
 - * Gas emission (Halogen & Acid matters) IEC 60754-1 & IEC 60754-2
 - * Mechanical properties IEC 60794-1
 - * Color Coding IEC 60304
- Operating Conditions:
 - Temperature : +70° C
 - Humidity : 95% non-condensing

Make & Type No: R & M / R795010

3. CAT6 UTP LSZH Cable, Unit: Drum of 500 Mtrs., Colour: Grey:

- Insulated with Low Smoke Zero Halogen (LSZH) Cable Jacket Characteristics, Duplex sheath: two cables parallel, separable.
- Cable outer jacket: LSZH, Overall diameter Ø 6.3mm tight buffer type, Conductor: Bare copper wire Ø 0.56mm (AWG 23), Length: 500 Mts, Colour: Light Gray, RAL 7035
- The CAT6 Cable shall Comply to ISO/IEC11801 2nd Ed.; EIA/TIA-568B.2.1
- Fire rating: IEC 60332-1, IEC 60754-2, IEC 61034.
- Conductor:

Conductor	Bare copper wire Ø 0.56mm (AWG23)
Insulation & Jacketing	LSZH
Insulation Diameter	Ø 0.98 mm
Outer Diameter	Ø 5.9 mm
Mean characteristic impedance	100 ± 5 Ω
Conductor DC resistance @ 20°C	≤ 19 Ω / 100 m
Capacitance unbalanced (Pair to ground)	≤ 1600 pF/m nom@1 kHz
Test voltage (DC, 1 min) Core / Core	1000 V

- Typical transmission Characteristics @ 250 MHz (at 20°C) shall be as follows:

Parameter	Max / Min	Typical
Attenuation (dB/100m)	Max 33.0	31.0
NEXT (dB)	Min.38.3	44
PS-NEXT (dB)	Min.36.3	41
ACR (dB/100m)	Min. 5.3	13
PS-ACR (dB/100m)	Min. 33	11.0
ELFEXT (dB/100m)	Min. 22.0	37
PS-ELFEXT (dB/100m)	Min. 19.0	34
Return loss (dB)	Min. 17.3	20

- Operating Conditions

Temperature : +60° C
Humidity : 95% non-condensing

Make & Type No: R & M / R35057

General Notes:

- (1) The offer submitted shall contain the make & model of the products offered with detailed data sheets, compliance chart to the indented specifications, delivery schedule and warranty.
- (2) 2 Part bid mechanism, i.e. Technical bid & Commercial bid, shall be followed. Technical bid shall contain the data sheets, compliance to Technical specifications specified, manufacturer's authorization letter specific to this tender, delivery period, warranty and commercial terms including un-priced schedule. Commercial bid shall contain only price.
- (3) **Warranty:** 5 years from the date of supply.
- (4) Factory Acceptance Test (FAT) in the presence of BHAVINI / IGCAR / NPCIL / ECIL representatives as per mutually agreed Test Procedure shall be conducted at Manufacturer / Supplier works before dispatch. Also Test reports shall be submitted to ECIL.

In case the FAT is outside India, the quote shall be submitted inclusive of expenses for 3 Engineers towards Fares, Boarding, Lodging and other Incidental expenses.

- (5) Outer Sheath of the Cable shall be marked with Make, Part No. and Length markings.
- (6) In the event of the order, Certificate of compliance shall be issued along with the consignment stating that the materials supplied are in accordance with the manufacturer's specifications and the specifications mentioned in the order.
- (7) Deviations, if any, with respect to specifications / requirements mentioned above shall be submitted without fail. **In case of no deviations, nil statement shall be submitted. In the absence of deviation list, the quote submitted will not be considered.**
- (8) **Offers received with compliance to all the above terms and specifications will only be considered.**

INSTRUCTIONS AND COMMERCIAL CONDITIONS
ENQUIRY NO: 451518

1. The Quote is to be submitted by courier in Duplicate.

2. The BID is of TWO-PART BID Mechanism.

Viz: Technical Bid (PART-A) and Price Bid (PART-B).

The Technical Bid shall contain:

- a) Technical Data.
- b) Bill of Material.
- c) Commercial conditions.
- d) Deviations from our Technical Specifications.

The Price Bid shall contain:

- a) PRICE.

3. Terms of Price: FOR ECIL Hyderabad.

4. All the Commercial Terms are to be Complied along with Technical Bid only. Deviation in Commercial terms may lead to disqualification of opening of Price Bid.

5. We require Validity of One month from the date of opening Price Bid.

6. All the components shall be OEM certified only.

7. We require Warranty of 60 months from the date of supply. Please confirm about this requirement in your Technical quote.

8. You need submit a Performance Bank Guarantee to cover Warranty for a Value of 10% of order value and valid till Warranty Period.

9. Earnest Money Deposit: EMD shall be submitted in the form of Bank Guarantee/ DD for the value of Rs. 5 Lakhs along with the quotation. In respect of Small Scale Industries/Government Departments, waiver of EMD may be considered as per Government guidelines. In such cases vendor should submit sufficient proof of documents. In respect of small scale industries/Government Department, waiver of EMD may be considered as per Government guidelines. In such cases, the waiver should be accorded the Divisional Head with the concurrence of the Divisional Finance. In the tender documents, it should be clearly informed that if any Bidder makes a request for treating his available credit balance with ECIL, if any as the requisite EMD in respect of a new quotation, such adjustment request will not be Entertained and tender would be treated as invalid.

10. Security Deposit : Shall be provided Rs.5 Lakhs value immediately after receiving the purchase order. However the amount deposited in the name of EMD. shall be converted into security Deposit/Performance Bank Guarantee to the successful vendor.

11.Delivery Schedule: Material is to be required within 3 months from the date of release of purchase order.

12.Payment Terms: Our proposal is 100% of total order value will be paid within 90 days of receipt of material.

13.Risk Purchase Clause:In the event of any failure of the seller to comply with the Purchase order terms, the buyer has a right to cancel the order and proceed with alternate source. In the event of proceeding with such an alternate source, the Default vendor shall be liable to bear the extra cost which may incurred by the Buyer.

14.Abritation Clause ; All dispute of differences whatsoever arising between two Parties out of relating to the construction meaning and operation of effect of this contract or the breach of them shall be settled by arbitration in accordance with the rules of arbitration of the Indian Council of Arbitration Hyderabad/ Secunderabad Jurisdiction.

15.ECIL reserves the right to split the order by matching the L1 prices.

16.Please comment on each of above Clauses along with our general notes^(Annx - 2) attached to the tender with out fail.Other wise your offer will not be considered.