

REQUEST FOR PROPOSAL
FOR
SUPPLY OF RF CABLES

Tender No. ECIL / CSD / 90 - 0281 Date: 25.05.2015

Due Date: 15.06.2015 up to 14:00 hrs.



ELECTRONICS CORPORATION OF INDIA LTD
(A Government of India Enterprise)
Customer Support Division, FSG
ECIL PO
HYDERABAD – 500 062
Website: www.ecil.co.in

Tel No. 040-2718 2488, Fax No. 040 - 2712 2778

E-mail Id: csdpurchase@ecil.co.in

Electronics Corporation of India Limited (ECIL), a Govt. of India Enterprise, intends to procure RF cables for its projects, as per the specifications given in Annexure-B.

- 1.1 The intending bidders should submit their bids in two parts namely, Part (1) Techno-commercial Bid and Part (2) Price Bid.
- 1.2 The Techno-Commercial and Price bids should be submitted simultaneously in two separate sealed covers "TECHNO-COMMERCIAL BID" and "PRICE BID" super scribed on the respective covers along with Tender Notice number, Date and Due Date.
- 1.3 The two sealed covers containing the Techno-Commercial Bid and Price Bid are to be kept in a separate cover and sealed again and super-scribed with the Tender Notice number, Date & Due Date. Bids not in accordance with the above will be liable for rejection.
- 1.4 Bids will not be considered if received after due date and time. Bids should reach Sr.Manager, Purchase, Customer Support Division, ECIL, ECIL PO, Hyderabad-500062 on or before the due date and time specified. ECIL will not be responsible for late delivery for any reasons whatsoever and also due to wrong or improper address.
- 1.5 E-mail / Fax Bids will be summarily rejected.
- 1.6 Request for extension of due date will generally not be considered. However, ECIL, at its sole discretion, may extend due date, if required and will be intimated.
- 1.7 During technical evaluation, Bidder shall visit ECIL, Hyderabad, if requested, for techno-commercial discussions, with a notice period of one week.
- 1.8 Bidder should provide his contact details and also name of the contact person with Mobile / Land Line/FAX Number and E-mail ID.
- 1.9 Bidder should confirm in the Techno-commercial Bid that
 - (i) All terms and conditions given in the tender documents were understood and accepted without any qualification.
 - (ii) Prices have been quoted against each line of entry of the tender. Failure to provide the above confirmations in the techno-commercial bid would render the bid liable for rejection.
- 1.10 ECIL reserves the right to accept the bids in full or in part or cancel the tender in its entirety, at its sole discretion.
- 1.11 Bidder should sign and affix the seal of the firm on all pages of the tender document and enclose this in the Techno-commercial bid.
- 1.12 Clarifications on this tender notice, if any, can be obtained in writing before submitting the bids only from: Shri E. Sankar Rao, Sr.Manager, Tel No. (O) 040-2718 2488; E-mail ID: csdpurchase@ecil.co.in only. Clarifications, obtained, otherwise would not be binding on ECIL.
- 1.13 The Techno-commercial bid as per Annexure – A should be submitted by the bidder. The Techno-commercial bid of vendors whose bids received without filled and signed eligibility criteria form will be summarily rejected and the eligibility criteria if do not conform will be liable for rejection.

Tender Schedule	
Date & Time for submission of bids	Before 14.00 hrs on 15.06.2015
Date & Time of opening of price bids:	Will be intimated separately to bidders who have been shortlisted after technical evaluation.
Place of opening of Techno-commercial bids Customer Support Division Electronics Corporation of India Limited Hyderabad – 500 062	

2 PART - I: TECHNO-COMMERCIAL BID

- 2.1 Eligibility Criteria: The bidder's eligibility will be based on following criteria which should be supported with documentary proof:-
- Experience of having successfully completed similar work during last 7 years, ending 30th April'2015 should have executed a minimum of:-
 - Three such similar work of value not less than Rs.60 Lakhs each (OR)
 - Two similar work of value not less than Rs.75 Lakhs each (OR)
 - One similar work not less than Rs.120 Lakhs.
 - If P.Os are in foreign currency, its equivalent INR value will be taken into account, for eligibility criteria evaluation purpose.
 - Related proof of document copies should be attached.
 - The Bidder should have a minimum average annual turnover of Rs.45 Lakhs in the last three financial years (up to 31.03.2015). Related proof of document copies should be attached .
 - The Eligibility Criteria / Techno-Commercial Bid, as per Annexure - A should be duly filled, signed and submitted along with the Techno-commercial bid and to be placed on the top of Techno-commercial bid with clear identification / marking for immediate reference / scrutiny.
- 2.2 Detailed specifications of cables required are as per Annexure-B

3 VALIDITY OF BID:

Bids shall be valid for a minimum period of 90 days from the due date of bid submission.

4 EARNEST MONEY DEPOSIT (EMD):

- Techno commercial bid shall accompany by an interest-free EMD amount of Rs.3,00,000/- through crossed Demand Draft, drawn on any Scheduled Bank in favour of 'Electronics Corporation of India Limited' and payable at Hyderabad (or) a Bank Guarantee, issued by a Scheduled Bank, valid for 90 days from the date of tender closing date.
- EMD (DD/BG) will be refunded to the un-successful Bidder within 60 days from the date of finalization of contract on this tender.
- EMD will be refunded, to successful Bidder within 60 days of acceptance of material.
- If EMD is furnished through Demand Draft, the Bidder shall furnish name of the Bank, Branch, Type of Account and Account number in Annexure - A for refund of EMD.
- Upon award of contract, if the successful Bidder fails to supply the material within delivery schedule, EMD will be forfeited and contract will be terminated, without further notice, in addition to invoking Risk Purchase Clause.
- If the Bidder revokes, withdraws and modifies the Bid after the due date and within the validity period of the Bid, EMD will be forfeited.
- Bids not accompanied by EMD will be summarily rejected.
- Bids submitted with counter conditions will be summarily rejected.
- EMD (DD /BG) should be enclosed in Techno-commercial Bid.

5 SCHEDULE FOR SUPPLY:

All the ordered material should be delivered within 8 weeks from the date of Purchase Order.

Material to be delivered at CSD Stores, ECIL, Hyderabad.

6 PRICES:

- 6.1 Bidder should submit the bid indicating clearly basic price against each line of entry of the price bid format. Prices and Taxes shall be indicated separately against each line as per price bid format (Annexure – C).
- 6.2 Prices quoted should be F.O.R, Hyderabad.
- 6.3 Price should be indicated both in figures and words. In case of variation between the values given in figures and in words, the lesser value will be considered for evaluation. No request for change will be entertained thereafter.
- 6.4 Prices shall be quoted excluding taxes and duties. The types of taxes and applicable rates should be mentioned in the price bid separately.
- 6.5 Un-priced Price bid, as per Annexure - C, but clearly indicating applicable taxes and tax rates, with endorsement that prices have been quoted in the price bid strictly as per the format, should be furnished as part of Techno-commercial Bid.
- 6.6 If the vendor fails to comply with terms and conditions of contract, ECIL reserves the right to cancel the contract and to invoke Risk Purchase Clause apart from other legal recourse without further notice.

7 TERMS OF PAYMENT:

- 7.1 100% payment will be made within 60 days after delivery & acceptance of material.
- 7.2 No advance payments will be considered.

8 DOCUMENTATION:

- 8.1 Original Tax Invoice should be drawn in triplicate, all ink signed, favouring ECIL Hyderabad.
- 8.2 Tax Identification Numbers(TIN) of vendor shall be indicated in the invoice. Rate and quantum of taxes should be shown separately in the invoice. The invoice should facilitate availment of input tax credit by ECIL. If ECIL is unable to avail input tax credit due to incomplete documents submitted by the contractor, the taxes will be recovered from the bills of the contractor.

9 PENALTIES:

- 9.1 Penalty will be levied on the successful bidder for the delayed delivery @ 0.5% of value of undelivered items beyond delivery schedule, per week or part of week and limited to 5% value.
- 9.2 This penalty is in addition to the provision of the Risk Purchase Clause.

10 RISK PURCHASE:

- 10.1 In the event of Vendor's failure to supply of material within delivery schedule, ECIL reserves the right to cancel the contract without further notice and proceed to procure from an alternate sources in which event the vendor will be liable to bear the extra expenditure incurred by ECIL for making alternate arrangements.
- 10.2 All such costs will be recovered from bills / payables (or) by invocation of Bank Guarantees (or) through other means of law. The decision of ECIL will be final and binding on the vendor.

11 AWARD OF CONTRACT:

ECIL reserves the right to place the order on one or more bidders by splitting the order.

12 DISPUTE RESOLUTION:

- 12.1 Every effort shall be made to settle all the disputes or differences arising during the execution through mutual discussions.
- 12.2 Unresolved disputes if any, arising out of or in connection with the proposed contract shall be referred to Arbitration. The provisions of Arbitration & Conciliation Act 1996 shall apply. The Sole Arbitrator will be appointed by the Director (Personnel) of ECIL. The decision of the Arbitrator shall be final and binding on both the parties. The parties shall not assail the arbitration award in any court of law.
- 12.3 The venue for Arbitration proceedings shall be at Hyderabad.
- 12.4 Jurisdiction of Court: courts in GHMC (Kapra Circle limits) Hyderabad, Telangana only shall have exclusive jurisdiction.

13 TECHNICAL BID EVALUATION CRITERIA:

- 13.1 Track Record: Experience of having successfully completed similar work during last 7 years, ending 30th April'2015 should have executed a minimum of:
- Three such similar work of value not less than Rs.60 Lakhs each (OR)
 - Two similar work of value not less than Rs.75 Lakhs each (OR)
 - One similar work not less than Rs.120 Lakhs
- Copy of contract/order and successful Execution / Completion Certificate should be attached as proof. Name and addresses of Customers on such successful completion with contact person telephone number, E-mail ID should be furnished.
- Similar work executed to private parties should enclose TDS certificate.
- 13.4 Financial Capacity of the Bidder: The Bidder (MPA) should have a minimum average annual turnover of Rs. 45 Lakhs in the last three financial years (up to 31.03.2015). Bidder should submit copies of proof to that extent.
- 13.5 The bidder's organization should not be blacklisted by any Public Sector Undertaking or by Govt. department. A Self Certificate to that extent should be enclosed in Techno-Commercial Bid.
- 13.6 Bidder should attach copy of TIN/VAT registration certificate.
- 13.7 Bidder should attach copy of Income tax / Returns of IT for the year 2012-13 and 2013-14
- 13.8 The Bidder must be Registered Company / Partnership firm / Sole proprietor concern. Copy of relevant proof issued by statutory authority should be furnished with the techno commercial bid.
- 13.9 If Bidder is registered as Micro and Small Enterprises (MSEs), documentary proof of registered certificate shall be enclosed along with technical bid. If owner of the firm / agency belongs to SC / ST Community the same may be mentioned.

14 Compliance Statement:

- 14.1 Compliance Statement confirming compliance to all the above Clauses of Techno-commercial bids should be submitted as per Annexure - A format.
- 14.2 All pages of this Tender document should be signed and seal affixed by the bidder and submitted along with Techno-commercial Bid.

PART - II: PRICE BID

15 Prices:

- 15.1 Price Bid to be submitted as per Price Bid format given in Annexure - C.
- 15.2 Price bid should not contain any other term or condition or clause except the prices.

Tender No. ECIL/CSD/90 - 0281 Date: 25.05.2015**Due Date: 15.06.2015 up to 14:00 hrs.****Eligibility Criteria / Techno-Commercial details**

1	Name and type of the Organization	
2	Date of Establishment / Registration	
3	Registration Number & date (Please attach proof from appropriate authority)	
4	Office particulars:	
	Office Address	
	Telephone No. (land line)/ Cell No	
	Fax No.	
	Contact Person Name & Designation	
	Email id	
5	Track Record	
	<p>The bidder should have Experience of having successfully completed similar work during last 7 years, ending 30th April'2015 should have executed a minimum of:-</p> <ul style="list-style-type: none"> • Three such similar work of value not less than Rs.60 Lakhs each (OR) • Two similar work of value not less than Rs.75 Lakhs each (OR) • One similar work not less than Rs.120 Lakhs. 	
6	The Bidder should have a minimum average annual turnover of Rs. 45 Lakhs in the last three financial years (up to 31.03.2015)	<p>Total Annual Turnover in 2012-13 RS..... IN LAKHS</p> <p>Total Annual Turnover in 2013-14 RS..... IN LAKHS</p> <p>Total Annual Turnover in 2014-15 RS..... IN LAKHS</p>
7	Income tax Clearance Certificate or copy of IT Return with PAN (Attach document / documents)	
8	Proof of Annual Turnover / Balance sheet certified by CA (Attach document / documents)	

9	Bidder's Banker's Name, Branch and Account Number: (for refund of EMD purpose)	
10	EMD details	Amount Rs. _____ BG/ DD <u>If DD</u> Bank : Branch: DD No: Date —: <u>If BG:</u> BG No. BG Date: Bank & Br: BG Valid up to:
11	Copy of tender document duly signed and seal of organisation to be submitted	Yes /No

Signature, Date & Seal of the Bidder

Specifications of RF Cable

Specifications of RF Cable			
Construction			
	Material	mm	inches
Center Conductor	Material solid Silver Plated Copper(SPC)	-	-
Dielectric	Low density Poly Tera Fluoro Ethylene (PTFE)	-	-
Inner shield	SPC tape	-	-
Outer shield	SPC braid	-	-
Jacket	Green Fluorinated Ethylene Propylene(FEP)	max 7.60	Max 0.299
Electrical characteristics			
Characteristic impedance	50Ω±1Ω		
Operating Frequency Range	DC-18GHz		
Cut-off frequency	20GHz		
Screening effectiveness	>90dB (at 18GHz)		
Velocity of propagation	85%		
Propagation time	3.9ns/m(1.2ns/ft)		
Capacitance	79pF/m at 1GHz (23.9pF/ft at 1 GHz)		
Insulation Resistance	>3x10 ⁶ MΩ/m		
Corona extinction voltage	>3.3KV		
Nominal Phase	1400°/n/GHz		
Phase Stability with temperature	<1°/m/GHz(-55/+100°C)		
Phase stability with bending	<0.4°/360°/GHz		
Attenuation stability with shaking	<0.01 dB/m(at 18GHz)		
Attenuation variation with temp.	Att.(at X° C) = att.(at 20°C) x 1 + (X-20) x 0.002		
Mechanical Characteristics			
Maximum weight	130g/m(39.4 g/ft)		
Recommend min. bend radius	40mm(1.575 inch)		
Crush resistance	>200N/100mm		
Environmental Characteristics			
Operating temperature range	-170°C to 200°C(-94°F to 392°F)		
File resistance	Yes(MIL C 87104)		
Halogen free jacket	No		
Frequency/Attenuation(typ.)/CW Max Power			
Freq (In GHz)	dB/m	dB/ft	Watt
1.0	0.15	0.04	1600
2.0	0.21	0.06	1100
3.0	0.26	0.08	920
4.0	0.30	0.09	800
5.0	0.34	0.10	710
6.0	0.37	0.11	650
8.0	0.44	0.13	560
10.0	0.49	0.15	500
12.4	0.55	0.17	450
18.0	0.68	0.21	380

Annexure – C

Tender No. ECIL / CSD / 90 - 0281 Date: 25.05.2015
Due Date: 15.06.2015 up to 14:00 hrs.

Price Bid

S.No.	Length in Mtrs	Connector end to end	Qty	Rate per item	Currency	Total amount
1	50	SMA to SMA	80			
2	30	SMA to SMA	16			
3	9	SMA to SMA	16			
4	8	N to SMA	16			
5	6	SMA to SMA	10			
6	5	N to SMA	20			
7	3	N to SMA	26			
8	2	SMA to SMA	10			
	TOTAL					

Signature, Date & Seal of the Bidder