

TENDER DOCUMENT FOR



SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH

(Ministry of Earth Sciences, Govt. Of India)

Headland Sada, Vasco-da-Gama

GOA -403 804, INDIA.

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NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
 (Ministry of Earth Sciences, Govt. Of India),
 HEADLAND SADA, VASCO-DA-GAMA,
 GOA - 403 804

TENDER NO. NCAOR/AES-11352/PT-20.
TENDER FOR SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4
CORE OFC WITH SINGLE MODE LC

1.	SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC Specifications: Quantity	As per Annexure-I 01 Lot As per Annexure-I
2.	General Terms and Conditions	As per Annexure II
3.	Cost of Tender Documents (In Person)	₹ 500.00
4.	Cost of Tender Documents (By Post)	₹ 550.00
5.	EMD	Tender documents can be downloaded by tenderers from NCAOR website. In case a tenderer is using the documents and forms downloaded from the website, the cost of tender documents shall be sent in the form of Bank Draft in a separate envelope along with the tender. Bidders shall submit EMD along with their tender, either by DD drawn in favor of NCAOR, for a sum of ₹ 15000/- (Rupees Fifteen Thousand only) payable at Vasco-da-Gama only. Or In the form of a bank guarantee for a sum ₹ 15000/- (Rupees Fifteen Thousand only)
6.	Last Date and time for issue of tender documents	MONDAY 12.10.2015 1600 Hrs (IST)
7.	Last Date and time for submission of sealed quotations	TUESDAY 13.10.2015 1700Hrs (IST)
8.	Date and time of tender opening	WEDNESDAY 14.10.2015 1000Hrs (IST)

Annexure-I**TECHNICAL SPECIFICATION FOR SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC**

Sr. No	Item Description	Quantity
1	Pre Terminated 4 core OFC with Single Mode LC Type Connector (Refer Annexure II for details)	4270 Meters
2	Point to Multipoint Outdoor Wireless Bridge with flexible mounting kit and support for 3 years (Refer Annexure III for details)	2 Nos
3	Wireless N PoE Access Point with transfer rates up to 300Mbps (with minimum three years warranty)	12 Nos
4	8 Port Managed L2 PoE switch with 2 SFP port (with minimum three years warranty)	12 Nos
5	24-Port Gigabit switch with 16 SFP ports +8 Combo 10/100/1000BASE-T/SFP (with minimum three years warranty)	2 Nos
6	24-Port Gigabit Switch with 4 Gigabit SFP port (with minimum three years warranty)	1 Nos
7	OFC Transceiver LC Type Single Mode	30 Nos
8	Cat6 STP Cable Box (305 Mtrs)	1 Nos
9	Punching tool	2 Nos
10	Crimping Tool	2 Nos
11	CAT6 Information Outlet with surface box and face plate	30 Nos
12	LAN tester	2 Nos
13	RJ 45 Connector	1 Box
	Installation, testing and training	

Annexure II

PRE TERMINATED 6 CORE OFC SINGLE MODE LC TYPE		
S. No	Qty	Length (meter)
1	1	450
2	1	420
3	1	200
4	1	130
5	1	120
6	1	150
7	1	130
8	1	120
9	1	100
10	1	500
11	1	750
12	1	1200
Total (length)		4270

Annexure III

OUTDOOR WIRELESS BRIDGE				
S. No	Parameters	Specification	Compliance (Yes/No)	Deviation if any
1	Make and Model Quoted	Specify		
2	License Free Spectrum	5.8 GHz		
3	Standard	IEEE 802.11a/n		
4	Performance (Throughputs)	150 Mbps or better		
5	MIMO	2x2 or better		
6	Modulation	OFDM		
7	PoE Support	Standard IEEE 802.3af support		
8	Wireless Security	WPA2 AES, 802.11i		
9	Ruggedized	IP65 or better		
10	Operating Temp range	-40 to 55 C		
11	Wired Ports	1-10/100/1000 TX		
12	ETA Approval	Submit ETA approval for the radio with integrated antenna		

**TECHNICAL COMPLIANCE STATEMENT FOR SUPPLY, INSTALLATION, TESTING AND TRAINING OF
PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC.**

Sr. No	TECHNICAL COMPLIANCE STATEMENT FOR SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC.	COMPLIED/ NOT COMPLIED	EXTRA FEATURES
1	Pre Terminated 4 core OFC with Single Mode LC Type Connector (Refer Annexure II for details)		
2	Point to Multipoint Outdoor Wireless Bridge with flexible mounting kit and support for 3 years		
1	Make and Model Quoted	Specify	
2	License Free Spectrum	5.8 GHz	
3	Standard	IEEE 802.11a/n	
4	Performance (Throughputs)	150 Mbps or better	
5	MIMO	2x2 or better	
6	Modulation	OFDM	
7	PoE Support	Standard IEEE 802.3af support	
8	Wireless Security	WPA2 AES, 802.11i	
9	Ruggedized	IP65 or better	
10	Operating Temp range	-40 to 55 C	
11	Wired Ports	1-10/100/1000 TX	
12	ETA Approval	Submit ETA approval for the radio with integrated antenna	
1	Wireless N PoE Access Point with transfer rates up to 300Mbps (with minimum three years warranty)		
2	8 Port Managed L2 PoE switch with 2 SFP port (with minimum three years warranty)		
3	24-Port Gigabit switch with 16 SFP ports +8 Combo 10/100/1000BASE-T/SFP (with minimum three years warranty)		
4	24-Port Gigabit Switch with 4 Gigabit SFP port (with minimum three years warranty)		
5	OFC Transceiver LC Type Single Mode		
6	Cat6 STP Cable Box (305 Mtrs)		
7	Punching tool		
8	Crimping Tool		
9	CAT6 Information Outlet with surface box and face plate		
10	LAN tester		
11	RJ 45 Connector		
12	Installation, testing and training		

TERMS AND CONDITIONS FOR SUBMISSION OF QUOTATION.

1) The National Centre for Antarctic and Ocean Research (NCAOR) invites sealed quotations in two-parts from the reputed firms for the “**SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC**” as per the specifications given in Annexure-I.

2) The technical and financial bids should be submitted in two separate sealed covers, super scribing “Part –I Technical Bid for “**SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC**”, Tender No., due date and “Part-II Financial bid for “**SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC**”, Tender No., due date. Both the bids should be kept in a single cover by super scribing tender for “**SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC**”, sealed and addressed to the **Director, National Centre for Antarctic & Ocean Research, Headland-Sada, Vasco-da-Gama, Goa – 403 804.** Offer sent through fax will not be accepted.

3) Overwriting and corrections should be attested properly. The bid should be complete in all respects and should be duly signed. **Incomplete and unsigned bids will not be considered at all.**

4) All relevant technical literature pertain to items quoted **with full specifications** (Drawing, if any), information about the products quoted, including brochures if any should accompany the quotation.

5) A list of **reputed clients** to whom the firm has supplied similar items to be furnished along-with the quotation.

In the TECHNICAL BID, the Bidder should furnish the Name and address of the Purchasers placed orders on similar equipment with order No, date, Description and quantity, Date of Supply alongwith Contact person Telephone No, Fax No, and e mail address of Purchaser.

The Bidder should enclose copies of Purchase Orders only in the FINANCIAL BID.

6) If the bidder is registered under SSI, NSIC claiming any exemptions should submit valid certificates along with the quotes, failing which quotation will not be considered.

7) Quotation should be **valid for a period of 90 days** from the date of tender opening and the period of delivery required should also be clearly indicated. If the supplier fails to deliver the goods within the time to be agreed upon, for delayed deliveries and for delays in installation (wherever applicable). NCAOR reserves the right to **levy liquidated damages** at the rate of 0.5% per week or part thereof up to maximum of 5%.

8) The **warranty period** and the kind of **post-warranty support** should be indicated. Warranty shall commence from the date of installation and acceptance of the complete equipment supplied under the Purchase Order / Contract.

9) **Technical bid should contain EMD.**

Bidders shall submit **EMD** along with their tender, **either By DD** drawn in favor of NCAOR, on any nationalized bank for a sum of **₹ 15,000/-** (Rupees Fifteen Thousand only) payable at Vasco-da-Gama only **or in the form of a bank guarantee** for a sum of **₹ 15,000/-**(Rupees Fifteen Thousand only) from any reputed bank (scheduled bank) initially valid for 180 days from the date of closing of the tender as per the proforma enclosed. This bank Guarantee in original shall be submitted along with the technical bid only.

Tender without EMD in the envelope containing technical bid shall be summarily rejected. The EMD of unsuccessful bidders shall be returned within 30 days of the award of contract.

The earnest money will be liable to be forfeited, if the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of his tender.

10) Please **specify the Make/Brand** and Name of the Manufacturer with address, country of origin and currency in which rates are quoted.

11) The Purchaser requires that the bidders suppliers and contractors observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the following are defined:

“Corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution:

“fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of contract;

“collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of purchaser, designed to establish bid prices at artificial, noncompetitive levels; and

“coercive practice: means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of contract;

The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract in question; The Decision of Director, NCAOR shall be final and binding.

12) Bidders that doesn't manufacture the goods it offers to supply shall submit Manufacturer's Authorization form on the letterhead of the Manufacturer duly signed and stamped by a person with the proper authority to sign documents that are binding on the Manufacturer as per the following format should be submitted failing which the quotation will not be considered.

To
The Director
NCAOR
GOA

Sub: Manufacturers' Authorization form against Tender No: _____

We _____(Name of the Manufacturer) who are official manufacturers of _____(Type of goods manufactured) having factories at _____(full address of Manufacturer's factories) do hereby authorize _____(Name of the Bidder) to submit a bid against your Tender No. _____for the _____Goods manufactured by us and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty with respect to the Goods offered by the above firm

Manufacturer's Name:
Signature of Authorized
representative of the Manufacturer:

Duly authorized to sign this Authorization on behalf of : _____(Name of the Bidder)

Date:

In case the bidder not doing business within India, shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc., during the warranty and post warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc., during the warranty and post- warranty period.

13) **Compliance Statement:** Equipments point-by-point comparison/compliance statement with **technical specification** indicated in the tender, should be enclosed along with your tender as well as any other extra features of the equipment be shown separately therein and also **compliance statement for all commercial terms** of the tender document.

14) NCAOR is not entitled to issue form “C/D”. No Sales Tax or any other Tax shall be payable by us unless payment of the same is specifically mentioned by the suppliers in their bids and same is legally leviable.

15) To avail duty concessions i.e. **Excise Duty** as per Govt. notification 10/97 & **Custom Duty** as per Govt. notification 51/96, NCAOR will provide exemption certificates. Hence, the rates should be split into basic cost and Excise Duty if any.

16) **Technical Bid should contain** all details and specifications of the equipment offered, delivery schedule, warranty, payment term, installation, training, post-warranty, user-list, service support **WITHOUT PRICE** and **Financial bid should contain** details of the price(s) of the item(s) quoted in the technical bid. The Technical bid should not contain any references to the pricing.

In case the technical bid contains any direct or indirect reference to quoted price the bid is liable to be rejected.

The Prices shall be quoted in Indian Rupees for offers received within India.

For Goods manufactured in India:

F.O.R GOA price should be indicated. However tender should contain item-wise prices including total ex-works price, Excise Duty, VAT/Taxes, Charges for Inland Transportation, Insurance and other local services required for the delivering the goods on F.O.R GOA.

17) Please submit your quotation on F.O.R. destination basis. However tender should contain item-wise prices including total ex-works price, overall weight & dimensions of the equipment and cost of packing forwarding, approx. cost of air-freight charges for delivery up to Goa, India.

18) A Committee constituted by the Director, NCAOR for the purpose reserves the right to open the bids. Only technical bids will be opened on the date and time mentioned in the tender document. The financial bids of those tenderers whose technical bids are found to be meeting our specifications only will be opened in their presence at date and time to be notified later.

19) The firm to the full satisfaction of the NCAOR should carry out the **installation, testing and training** at the NCAOR premises and the time-frame for the whole process should be specified in the technical bid.

20) A technical Committee constituted by the Director will assess the product supplied/installed for their quality and their conformity to the specifications provided by the firm in their quotations. Any item(s) identified by the Committee to be not as per the specifications or are found to be of inferior quality will be rejected, and the bills towards the supply will not be processed for payment till proper replacements are provided.

21) **No advance payment** will be made. Payment shall be made within 30 days from the date of receipt, acceptance and satisfactory installation of equipment. The payment will be authorized after submission of a Bank Guarantee for 10% value of the order towards warranty guarantee. The **performance Bank Guarantee** should be furnished within 15 days from the date of placement of order from a reputed bank (scheduled bank in India **or** foreign bank operating in India) valid till 60 days after the warranty period.

22) **The submission of tender** shall be deemed to be an admission on the part of the tenderer, had fully acquainted with the specifications, drawings etc. and no claim other than what stated in the tender shall be paid in the event of award of Purchase Order.

23) Expenditure involved towards any extra materials required for labour involved for successful installation of the equipment, if not quoted for, would have to be borne by the tenderer.

24) **Acceptance of this tender** form and submission of the quote within the stipulated time would be treated as:

- a) The tenderer has understood all requirements as described in our Tender document.
- b) Acceptance to provide/establish all the facilities mentioned in our tender without any price escalation, if the tenderer finds it necessary to add any hardware or software or any other materials during implementation.
- c) Agreeing to execute order to the satisfaction of NCAOR or its authorized representatives within the stipulated time.

25) Training /Installation charges should be clearly indicated including the scope of training.

26) Tender should clearly define the **infrastructure facilities required** for installation of the equipment.

27) NCAOR will not be liable for any obligation until such time NCAOR has communicated to the successful bidder of its decision to release the Purchase Order.

28) NCAOR will not be responsible for any postal delays.

29) Bidders shall note that NCAOR will not entertain any correspondence or queries on the status of the offers received against this Tender Invitation.

30) Tenders from Manufacturers/Suppliers/Tenderers whose performance was not satisfactory in respect of quality of supplies and delivery schedules in any organizations, are liable for rejection. The tenders that do not comply with the above criteria and other terms & conditions are liable for rejection.

31) The Director, NCAOR does not bind to accept the lowest quotation and reserves the right to himself, to reject or partly accept any or all the quotations received without assigning any reason.

32) All disputes arising in connection with executing the purchase order will be subject to the Jurisdiction of the Courts in Goa only.

QUESTIONNAIRE

- a. Name of the Manufacturer / Tenderer.**
- b. Full postal address with Telephone, Telefax, Email.**
- c. Please specify whether Public Limited, Company, Private Organization or Partnership Firm.**
- d. Nature of the Business.**
- e. Date of Establishment.**
- f. Present Turnover.**
- g. Permanent Income Tax Ref. No.**
- h. C.S.T. / S.T. NO.**
- i. Address & Telephone Nos. Of your branch office in GOA (please specify whether Distributing/Servicing/Marketing the products).**
- j. Technical Compliance statement.**
- k. Reference of reputed Customers.**
- l. Details of the highest order executed and value thereof.**
- m. Authorization from Manufacturer/Supplier attached.**
- n. Tender fee submitted/enclosed.**
- o. E.M.D. attached with TECHNICAL BID.**
- p. SSI, NSIC Registration Certificate.**
- q. Infrastructure facilities required for installation & commissioning attached.**
- r. Technical Specifications/Literature/Brochure attached.**
- s. Tender Acceptance.**

TENDER ACCEPTANCE UNDERTAKING

To

The Director,
NCAOR, Headland Sada,
Vasco – Goa.

Having examined the tender document for **“SUPPLY, INSTALLATION, TESTING AND TRAINING OF PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC”** we the undersigned hereby offer to supply the equipment in conformity with all specifications and conditions set out in the tender document.

We enclosed all the relevant documents as per the tender.

We understand that you are not bound to accept the lowest or any tender received.

Date :

(Signature of Bidder)

Name :

Designation :

Seal

BANK GUARANTEE FORMAT FOR FURNISHING EMD**To****NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
Headland Sada, Vasco-da-Gama, GOA 403 804, INDIA**

Whereas _____
 (Hereinafter called the "tenderer"
 has submitted their offer dated _____
 for the supply of _____

(Herein after called the "tender"
 WE _____ of having our registered office
 At _____ are bound unto the NATIONAL

(Hereinafter called the Bank)
 CENTRE FOR ANTARCTIC & OCEAN RESEARCH, Ministry of Earth Sciences, Govt. Of
 India having its office at Headland Sada, Vasco Goa 403 804, India (herein after called
 NCAOR which expression shall unless repugnant to the context or meaning thereof include
 all its successors, administrators, executors and assigns) in the sum of _____
 for which payment will and truly to be made to. NCAOR, the Bank binds itself, its
 successors and assigns by these presents. Sealed with the common seal of the said Bank
 this _____ day of _____ 2015.

THE CONDITIONS OF THIS OBLIGATION ARE:

- 1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2) If the tenderer having been notified of the acceptance of his tender by NCAOR during the period of its validity.
 - 2.a) If the tenderer fails to furnish the Performance security for the due performance of the contract.
 - 2.b) Fails or refuses to execute the contract

We undertake to pay NCAOR up to the above amount upon receipt of its first written demand, without NCAOR having to substantiate its demand, provided that in its demand the NCAOR will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee is valid until the _____ day of _____ 2015.

Signature of the bank

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
 (Ministry of Earth Sciences, Govt. Of India)
 Headland Sada, Vasco-da-Gama GOA 403 804, INDIA
 Tel: 91- (0) 832 2525571 Telefax: 91- (0) 832 2525573
 Email: [warluc62@ncaor.gov.in](mailto:warlug62@ncaor.gov.in) Website: www.ncaor.gov.in

PUBLIC TENDER

Director, National Centre for Antarctic & Ocean Research (NCAOR) invites sealed tenders super scribing Tender No. Item and due date from well established/ reputed manufacturers / authorized and bonafide vendors for supply of the following:-

Sl. No.	Tender No.	Item Description	Qty.	Type of Tender	Cost of Tender Doc.	EMD
					₹	₹
1	NCAOR/AES-11352/PT-20	PRE TERMINATED 4 CORE OFC WITH SINGLE MODE LC	01 lot	Two part	500.00	15,000.00
2	NCAOR/AES-11360/PT-21	SINGLE QUILT	01 lot	Single part	500.00	---
3	NCAOR/AES-11350/PT-22	MEDICINES AND SUPPLIMENTS (MAITRI)	01 Lot	Single part	500.00	15,000.00
4	NCAOR/LHE-20128/PT-23	MEDICINES AND SUPPLIMENTS (BHARATI)	01 Lot	Single part	500.00	15,000.00
5	NCAOR/LAB-2300/PT-24	BENCH TOP CENTRIFUGE MACHINE	02 Nos	Two part	1000.00	35,000.00
6	NCAOR/LAB-2303/PT-25	ANALYTICAL WEIGHING BALANCE	02 Nos	Two part	1000.00	35,000.00

Last date for issue of tender documents : **12.10.2015**

Last date for submission of quotation : **13.10.2015**

The details of tender documents are also available in our website <http://www.ncaor.gov.in> and Central Public Procurement Portal <http://eprocure.gov.in>. Interested suppliers may download the details and submit the quotation on or before the due date along with tender fee.

The quotation without tender fee will not be considered.

Tender forms can be obtained from the Procurement section of NCAOR on all working days either by post or in person between 1000 – 1600 hours on payment of tender fees in the form of crossed Demand Draft payable at Vasco-da-gama only, from a Nationalized bank drawn in favor of **NCAOR** along with separate requisition indicating tender number and item. Tender forms can be obtained by speed post by remitting Rs. 50.00 by Indian bidders and US\$ 15.00 by Foreign bidders in addition to the cost of tender documents.

The Director, NCAOR is not responsible for any transitional/postal delays.

The quotations will be **opened on 14.10.2015** in the presence of tenderers or their authorized representatives.

The Director, NCAOR reserves the right to accept or reject any quotation in full or part thereof without assigning any reason.

Sd/-
For & on behalf of NCAOR