

**National Institute of Technology, Manipur
Takyelpat, Imphal-795001
Manipur**

Tel:- 0385-2058566 (o)

Ref: NITM.1/(195-Estt)/CIF/2016-9981

Dated 18-05-2016

**NOTICE INVITING TENDER
(NIT)
FOR SUPPLY & INSTALLATION OF
EQUIPMENT
FOR SEMICONDUCTOR PARAMETER ANALYZER FOR CENTRAL
INSTRUMENTATION FACILITY AT NIT MANIPUR Langol**

The Director, NIT Manipur invites quotation for supply & Installation of Semiconductor Parameter Analyzer as per details at ANNEXURE, in Two Bids to reach the office of the undersigned on or before 13th June 2016.

Sl No	Specifications at Annexure	Items	Qty	EMD (Rs.) in the form of DD	Tender Document Fee (Rs.) in the form of DD only.
01.	I	Supply & Installation of Equipment for Semiconductor Parameter Analyzer for CENTRAL INSTRUMENTATION FACILITY AT NIT MANIPUR Langol	One	@2%	1,000.00

1). Last date & Time for Submission: 13th June 2016 (14.00 HRS)

(2). Date/Time for Opening of Tech. Bids: 13th June 2016 (14.30 HRS)

After evaluation of technical bids, financial bids of the successful bidders will be opened on a later date which will be notified to the technically qualified bidders. Venue of Bid Opening will be at the Conference Hall of NIT, MANIPUR, Langol, IMPHAL

BID INSTRUCTIONS:

01. Quotations will have to be submitted in TWO Bids. The address of the firm submitting the quotation and the Officer to whom the quotation is addressed must appear distinctly on sealed covers. Further, on sealed cover, the following are to be written:

**QUOTATION FOR SUPPLY & INSTALLATION OF EQUIPMENT FOR
.....LAB OF CENTRAL
INSTRUMENTATION FACILITY AT NIT MANIPUR, LANGOL,
IMPHAL, NIQ REF NO....., DATE:**

02 Submission of Compliance Certificate: **Duly filled and signed Compliance Certificates (as per formats at Annexure I(A & B) are must with the Technical bid.**

03. Bid not transferable: The bid documents are not transferable and the seal and signature of the authorized official of the firm’s must appear on all the papers and envelopes submitted.

QUALIFICATION REQUIREMENTS

1. The Bidder should be a firm of reputation having sufficient expertise and experience in the subject tender with sound warranty / service support capability and authorization from Manufacturer/Distributor.

2. The Bidder has to quote for all the items of a Lab, Bidders who do not quote for all the items are subject to be disqualified for that particular Lab."

NIT TERMS & CONDITIONS:

01. **Rates:** Rates quoted in the **Price Bid** should be **FOR NIT Manipur basis**, as per details below:

Sl. No.	Particulars	Rate
I	Basic Price (per unit)	
	Total	
	Taxes(pl. give break up)	
	Total(per unit)	
	Grand Total for the item	
	Transportation charge up to NIT Manipur premises (if	
	Grand total on door delivery at NIT Manipur	

Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.

02. **Validity of Quotation:** Quoted rates must be valid for **90 days** from the date of quotation.

03. **Warranty:** The quoted equipment and components must be warranted for a minimum of 1(One) Year or period specified against the item.

04. **Literature a must:** All the quotations must be supported by the printed technical leaflet/literature and the specifications mentioned in the quotation must be reflected/supported by such printed technical leaflet/literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.
05. **After Sales Service:** Vendors should clearly state the available nearest after sales service facilities in the region, without which their offers will be rejected.
06. **Dealership Certificate:** Dealers or Agents quoting on behalf of Manufacturer/Distributor must enclose valid dealership certificate.
07. **Earnest Money:**
Refundable earnest money deposit (EMD) @2% of the Quoted Value through demand draft drawn in favour of “*Director, National Institute of Technology Manipur*”, payable at Imphal, will have to accompany the technical Bid. The EMD of unsuccessful bidders shall be returned after award of contract. EMD of the successful bidder will be released on submission of the Performance Bank Guarantee. Offers received without Earnest Money or valid Certificate shall be summarily rejected.
08. **Performance Bank Guarantee (PBG):** All successful bidders shall furnish an unconditional PBG (as per format at **Annexure II**) for 5% of the Purchase Order value from a scheduled Bank of India, after receiving the purchase order. Where the PBG is obtained by a foreign bank, it shall be got confirmed by a Schedule Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Imphal. The PBG shall guarantee that,
(a) The Vendor guarantees satisfactory operation of the Equipment & components against poor workmanship, bad quality of materials used, faulty designs and poor performance.
(b) The Vendor shall, at his own cost, rectify the defects/replace the items supplied, for defects identified during the period of guarantee.
(c) This guarantee shall be operative from the date of installation till 60 days after the warranty period.
09. **Delivery:**
a) Time Limit: Maximum within 12 Weeks from the date of issue of the purchase order.
b) Safe Delivery: All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of NIT Manipur user/representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with, shall form the basis for certifying the receipt in good condition.
c) Insurance: The supplier is to establish ‘All Risk Transit Insurance’ coverage till door delivery at NIT Manipur.
d) Part Delivery: Acceptance of part delivery shall be a prerogative of the institute.
e) Penalty for delay in delivery: The date of delivery should be strictly adhered to otherwise the Director, NIT Manipur reserves the right not to accept delivery in part or full.
10. **Genuine Pricing:** Vendor is to ensure that quoted price for the particular item is not more than the price quoted to any other customer in India, particularly to IITs/NITs and other Government Organization.
11. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must

be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Conditions mentioned in the tender bids submitted by vendors will not be binding on NIT Manipur.

12. **Road Permit:** NIT, Manipur will provide Road Permit to the Vendors of outside Manipur.

13. **VAT deduction at source:** In case of supply within Manipur, VAT deduction at source, as per Order/ notification of the Govt. of Manipur will be applicable.

14. **Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date the next working day shall be the prescribed date of closing/opening.

15. **Payment:**

(a) 95 % payment within 30(thirty) days from date of delivery, satisfactory installation and acceptance and submission of PBG, wherever applicable.

16. **Payment for Imported Goods:** By an irrevocable letter of Credit at CIF/CIP Kolkata value negotiable through any overseas branch of State Bank of India/any Schedule Bank of India.

Note: Please note LoC will not be opened unless and until Letter of Acknowledgement in original is received at NIT Manipur, Imphal, directly from the principal (Even in case of firms having subsidiary office in India).

17. ADDITIONAL TERM FOR IMPORTED GOODS

Following term besides the fore mentioned terms will be applicable in case of foreign purchases:

Rates: Prices quoted must be for destination including freight and insurance charges inclusive of free delivery up to the door of department/centre NIT Manipur premises, as per details below:

Sl. No.	Particulars	Rate
a		
I	Basic Price (Ex work)	
II	FCA/FOB dispatch port,	
III	Total CIP/CIF Kolkata	
IV	CIP NIT Manipur Price (Freight and Insurance charge from Kolkata to NIT Manipur)	
V	Grand total on door delivery at NIT Manipur, Langol	
b		
	Installation & commissioning charge, if any	
	Custom Duty (Approximate)	
	Agency Commission (if any)	
	Annual Maintenance Contract rate (after expiry of warranty period)	

18. **Enquiry during the course of evaluation not allowed:** No enquiry from the bidder(s) shall be entertained during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative may make enquiries/seek clarification from the bidders. In such a case, the bidder must extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period of notice.
19. The acceptance of the quotation will rest solely with the Director, NIT Manipur, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.
20. **Force Majeure:**
If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:
- i. Any law, statute or ordinance, order action or regulations of the Government of India,
 - ii. Any kind of natural disaster, and
 - iii. Strikes, acts of the Public enemy, war, insurrections, riots, lockouts, sabotage
21. **Applicable Law:**
- (a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Imphal / India only.
 - (b) Any dispute arising out of this purchase shall be referred to the Director NIT Manipur, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

Sd/-
Registrar, NIT Manipur

Annexure -I

**A. COMPLIANCE CERTIFICATE FOR NIT TERMS
(To be enclosed in the Technical bid)**

Sl. No.	NIT Terms and Conditions	Yes/No
01	Rate quoted as per instruction	
02	AMC rate after warranty provided	
03	Validity of quoted rate for 90 days agreed	
04	EMD submitted (appropriate certificate enclosed)	
05	PBG term agreed	
06	Payment term agreed	
07	Delivery terms agreed	
08	Warranty period agreed	
09	Literature: Printed Literature provided	
10	Dealership / distributorship certificate (in case of dealers/agents) provided	
11	Sales Service: address of after Sales Service centre in India (for imported goods)/ in the region provided	
12	Applicable law terms agreed	

Signature with Seal:.....

Vendor: M/s.....

**B. COMPLIANCE CERTIFICATE FOR SPECIFICATIONS
(One for each item must to be enclosed in the Technical bid)**

Item Sl. No.			
Specifications as per Annexure-IV-X		Quoted Item Specs.*	Complied (Yes/No)
Parameter	Specification		

Signature with Seal:.....

Vendor: M/s.....

*** Vendor must quote the parameter specification of the quoted product in this column and not just copy the specification from the tender call document. Failure to do so will lead to rejection of the tender.**

Annexure -II

PERFORMANCE BANK GUARANTEE

To:

The Director
National Institute of Technology Manipur
Lango, Imphal-795004,
Manipur

WHEREAS (Name of Supplier)
hereinafter called "the Supplier" has undertaken, in pursuance of Contract No.....
dated,..... 20... to supply..... (Description of Goods
and Services) hereinafter called "the order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish
you with a Bank Guarantee by a recognized bank for the sum specified therein as security for
compliance with the Supplier's performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of
the Supplier, up to a total of (Amount of the
Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand
declaring the Supplier to be in default under the order and without cavil or argument, any sum
or sums within the limit of (Amount of Guarantee) as aforesaid, without
your needing to prove or to show grounds or reasons for your demand or the sum specified
therein.

This guarantee is valid until theday of.....20.....

Signature and Seal of Guarantors

.....

.....

.....

Date.....20....

Address:.....

.....

.....

All correspondence with reference to this guarantee shall be made at the following address:

The Director, National Institute of Technology Manipur-Langol, Imphal
795004, Manipur

Annexure -III

**MANUFACTURERS'/ DISTRIBUTOR'S AUTHORIZATION FORM
(In the letter head of the manufacturer)**

No.

Dated _____

The Director
National Institute of Technology Manipur
Langol, Imphal-795004, Manipur

Dear Sir:

We..... who are established and
reputable Manufacturers/distributors of
.....having factories/office at----

(address of factory/office) do hereby certify
that.....

.....(Name of the Authorised Dealer)is our authorized
dealer to quote against your tender enquiry no

.....,Last Date of Submission is:

Yours faithfully,
(Name)
(Name of Manufacturer/Distributor)

Annexure -IV

SEMICONDUCTOR PARAMETER ANALYZER

ITEM NO.	ITEM WITH TECHNICAL SPECIFICATIONS	Quantity
01	<p>Semiconductor Characterization Lab Requirements</p> <p>General features:</p> <ul style="list-style-type: none"> • PC based instrument with Microsoft Windows operating system and IV CV, pulse IV analyzer software. • Single box solution for current-voltage (IV), capacitance-voltage (CV), pulse generation (Fast IV) capability. • Nine slot system for Source measure unit (SMU), Capacitance-voltage unit (CVU) and pulse IV modules. • GPIB, LAN port for instrument control. • Self-test, calibration and diagnostic • High speed, High resolution ADC. • All cable, connector and appropriate accessories required for this system. • Should be compatible with automatic/semiautomatic prober. <p>System should have following sourcing and Measurement capabilities.</p> <p>1) IV capability: System should at list three SMU with following capabilities.</p> <p><u>Voltage:</u></p> <ul style="list-style-type: none"> • Voltage Source and measure capability: ± 200 V • Ranges: 200 mV to 200V. • Source resolution: 5 μV • Measure resolution: $\pm 1\mu$V <p><u>Current:</u></p> <ul style="list-style-type: none"> • Max Current Source and measure capability: ± 100 mA • Current ranges : 1 pA to 100 mA • Min Source resolution: 1.5pA • Min Measure resolution: ± 100 aA <p>2) All SMU should provide voltage/current in Bias; Common; Sweep; List sweep (custom point-by-point user-defined sweep); Step mode.</p> <p>3) System should have Very Low Frequency CV capability. Frequency range: 10 mHz to 10 Hz. Voltage: up to 200 V.</p> <p>4) CV measurement capability</p> <ul style="list-style-type: none"> • Frequency Range – 1 KHz to 10 MHz • DC drive level: -30 V to +30 V • Capable of external DC voltage: differential 400V. <p>5) Pulse capability</p> <ul style="list-style-type: none"> • Pulse Generation & Measurement capability • High Speed Voltage Outputs with Pulse widths ranging from 70 nanoseconds to DC • System should able to generate +/- 40V amplitude pulse. • System should have current measurement facility • 6 low current measure ranges: 100 nA, 1 uA, 10 uA, 100 uA, 1 mA, 10 mA <p>6) System should have built in Capability to switch the measurements from IV to CV to Pulsed IV from select menu without changing the connections on the DUT</p> <p>7) System should have Kelvin connection at GND unit</p> <p>8) Provided software should have parameter extraction facility</p> <p>9) Vendor should have repair, maintenance and up-gradation facility in India.</p>	1 set