
TENDER FOR SUPPLY OF MEDICAL ELECTRONICS EQUIPMENTS AT NIELIT SHILLONG



National Institute of Electronics and Information Technology (NIELIT) Shillong
(An Autonomous Scientific Society under Ministry of Electronics and Information Technology (MeitY), Govt. of India)

Tender No: NIELIT/SHL/MEL/Equip/2K14/178 (PT-1)/895

Dated: 9th June'2017

NOTICE INVITING TENDER (NIT)

Sealed tenders are invited from Government registered firms fulfilling all terms and conditions for supply of Medical Electronics Equipments at '**National Institute of Electronics and Information Technology (NIELIT) Shillong**'. The estimated cost of the tender is **Rs 15.00 Lakh**. Firms willing to participate in the tender may download the tender documents from www.nielit.gov.in/shillong. The tender will close on 10th July'2017 (Monday) at 2:00 P.M at NIELIT Shillong and will be opened on the same day at 3:00 P.M at NIELIT Shillong.

For further details please contact NIELIT Shillong located at 2nd Floor, Meghalaya State Housing Financing Cooperative Society Ltd. Building, Behind Bethany Hospital, Nongrim Hills, Shillong-793003, Meghalaya, Ph. no: 0364-2520166/177 (2 lines), FAX No: 0364-2520163.

Sd/-
Director in-charge
NIELIT Shillong



TENDER FOR SUPPLY OF MEDICAL ELECTRONICS EQUIPMENTS AT NIELIT SHILLONG

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TENDER FOR SUPPLY OF MEDICAL ELECTRONICS EQUIPMENTS AT NIELIT SHILLONG

1. INVITATION OF TENDER

National Institute of Electronics and Information Technology (NIELIT) Shillong is inviting a Tender for supply of Medical Electronics Equipments at its office located at 2nd Floor, Meghalaya State Housing Financing Cooperative Society Ltd. Building, Behind Bethany Hospital, Nongrim Hills, Shillong-793003, Meghalaya. Interested suppliers fulfilling all terms and conditions may participate and submit the tender documents.

Interested suppliers fulfilling all terms and conditions may participate and submit the tender documents.

2. FEE FOR TENDER DOCUMENTS

The cost of tender documents is **Rs 1,000/-** (Rupees One Thousand Only). This fee shall be paid in the form of Demand Draft issued by a nationalized/scheduled commercial bank, drawn in favour of "**NIELIT Shillong-Main A/C**" payable at **Shillong, Meghalaya**" The Cost of Tender document is non-refundable and shall be submitted along with the technical bid of the tender document.

3. ESTIMATED COST:

The estimated cost of the tender is **Rs 15.00/- Lakh** (Rupees Fifteen Lakhs Only).

4. EARNEST MONEY DEPOSIT

An Earnest Money Deposit (EMD) should be submitted in the Technical bid of the tender, without which the tender shall be invalid. The amount of EMD will be **Rs 40,000/- (Rupees Forty Thousand Only)** payable in the form of Demand Draft / Banker's Cheque drawn on any commercial banks in favour of "**NIELIT Shillong-Main A/c**", payable at **Shillong**. The EMD shall remain valid for a period of 45 (forty-five) days beyond the final bid validity period. The EMD of the unsuccessful bidders shall be returned at the earliest after expiry of the final bid validity and latest on or before 30th day after the award of the contract.

The successful bidder shall be required to sign a contract with NIELIT Shillong. To ensure due performance of the contract the successful bidder shall be required to submit 10% of the value of contract as Performance Security in the form of Demand Draft / Bank Guarantee from a Commercial Bank. It is mandatory that for Bank Guarantee to be acted upon must be routed through Structured Financial Messaging System (SFMS) from issuing bank to our bank by sending IFN 760 COV Bank Guarantee Advice Message. Thereafter, only physical Bank Guarantee will be taken as submitted and become operational. The Performance Security shall be remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the bidder including warranty obligations.

On receipt of Performance Security, the EMD of the successful bidder shall be refunded.

5. DETAILS OF MEDICAL ELECTRONICS EQUIPMENTS TO BE SUPPLIED

The details of Medical Electronics Equipments to be supplied at NIELIT Shillong are given at **ANNEXURE-I**.



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6. TERMS AND CONDITIONS

Only those bidders who fulfill the following terms and conditions may submit their bids:-

1. The bids will be accepted till **2.00 PM on 10th July'2017 and will be opened at 3.00 PM** on the same day in the presence of bidders if present.
2. The sealed envelope containing the bid should be addressed to **NIELIT Shillong, 2nd Floor, Meghalaya State Housing Financing Cooperative Society Ltd. Building, Behind Bethany Hospital, Nongrim Hills, Shillong-793003, Meghalaya** and should reach his Office on or before the due date & time.
3. Late bids shall not be entertained and no correspondence in this regard shall be entertained.
Experience of having successfully completed similar works during last 7 (seven) years ending last day of month previous to the one in which applications are invited should be either of the following:
 - a) Three similar completed works costing not less than the amount equal to 40% of the estimated cost,
or
 - b) Two similar completed works costing not less than the amount equal to 50% of the estimated cost,
or
 - c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.
4. The rates quoted should be F.O.R. at NIELIT Shillong is inclusive of freight/packing/forwarding and other incidental charges etc.
5. The firm should have valid PAN No., VAT/CST Registration, Service Tax Registration no. and Experience Certificate (if any) of similar work and value in the N/E region during the last 3(three) years.
6. Quotation with overwriting, alternations will not be considered. **Only typed/printed quotations/hand written** will be accepted.
7. The rates quoted have to be valid up to 1 (one) year from the date of opening of financial bid.
8. Warranty period shall be as per the norms of the original manufacturer and applicable from the date of successful installation and commissioning of equipment.
9. NIELIT Shillong shall be under no obligation to accept the lowest quotation.
10. The supply of equipments not as per order or as per specifications will be rejected and returned at the cost of supplier and the EMD will be forfeited.
11. Statutory taxes and duties will be deducted at source as per government norms.
12. NIELIT Shillong may allow extension of time if in his opinion the works are delayed by reasons beyond the control of supplier.
13. Penalty will be imposed for delay in supply of equipments will be as follows:
 - a. For delay in between 1-5 days = 5% of ordered value
 - b. For delay in between 6-10 days = 10% of ordered value
 - c. For delay beyond 10 days = 15% of ordered value
14. Payment Terms:

No advance payment shall be made under any circumstance

Bills should be submitted (in triplicate) after successful completion of Work along with completion certification issued by competent authority of NIELIT Shillong.



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15. It will be binding on the part of the successful bidder to supply and install the goods at the quoted rates failing which the name of the firm will be removed from the suppliers list and no further inquiries would be sent/ entertained.
16. The Repeat order, if any, will be placed within six month for the date of issue of original order and the quantity of repeat order will not be more than 50% of the original order and have to be executed by the suppliers on same term & condition.
17. Details of the Taxes as applicable should be mentioned in the quotation clearly. In case of any ambiguity, prices will be considered as inclusive of all taxes.
18. In case any dispute arises between NIELIT Shillong and bidder, the decision of the Competent Authority of NIELIT Shillong shall be binding and final.
19. All disputes lie within the jurisdiction of High Court of Meghalaya.
20. The Bidder is liable to compensate NIELIT Shillong for any loss suffered. All penalties imposed should be deposited by the Contractor immediately or may be deducted from any amount due to the Contractor.
21. Items are to be quoted in Indian Rupees (INR) only.
23. No quotation will be accepted by fax, e-mail, telex, or any other such means.
24. Incomplete quotations are liable to be rejected.
25. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail.
26. Conditional tenders, on whatsoever ground, shall not be accepted and shall be summarily rejected.
27. The Competent Authority of NIELIT Shillong reserves the right to reject all or any tender without assigning any reason whatsoever.

7. MANDATORY DOCUMENTS TO BE SUBMITTED

The bidders are required to submit the following self certified copy of documents along with the Technical bid. The documents are:-

- a) Certificate of Registration of firm.
- b) Proof of office address (telephone bill, electricity bill etc.)
- c) Details of Bank Account of the firm. A cancelled cheque of the account of the firm to be enclosed.
- d) PAN Card.
- e) VAT/CST Registration no.
- f) Service Tax Registration no.
- g) Annual Turnover Certificate of last 3 (three) financial year duly certified by the Chartered Accountants.
- h) IT Return and Audited Balance Sheet of the last 3 years.
- i) Non-relation certificate with the employees of NIELIT Shillong.
- j) Not blacklisted certificate in the form of affidavit.
- k) An Undertaking by supplier for Acceptance & Compliance of all terms & conditions mentioned in this tender.
- l) List of clients where the equipments had been supplied and Satisfactory Completion certificate from all existing clients.



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8. TYPE OF BIDS TO BE SUBMITTED

The envelope containing the bids should be in sealed cover and must be marked "Tender For Supply of Medical Electronics Equipments at NIELIT Shillong". The bids should be submitted in the Technical Bid and Financial Bid packed in separate covers duly superscripted with 'Technical Bid' or 'Financial Bids' as the case may be and then sealed in a single cover duly super scribed with "Tender For Supply of Medical Electronics Equipments at NIELIT Shillong".

9. BID OPENING AND EVALUATION

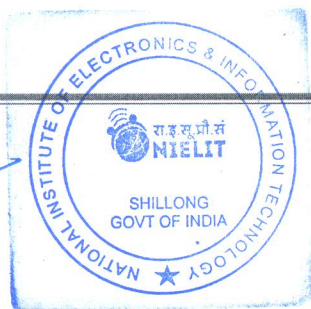
All the bids will be opened and evaluated as per standard procedure & time, date and place as mentioned above by a committee constituted by the Competent Authority of NIELIT Shillong in the presence of the participating bidders, if any. Only one authorized representative from each bidder will be allowed to attend the bid opening and evaluation process on submission of the authorization letter.

In case the date fixed for opening of bids is subsequently declared as holiday by the government or the office remains closed on that day for any other reason, the bids will be opened on next working day, the time and venue remaining unaltered. The evaluation committee will first open and evaluate the 'Technical Bids' of the bidders. 'Financial Bids' of only those bidders who qualify in the 'Technical Bids' shall be opened.

Further, the Competent Authority of NIELIT Shillong reserves the right to disqualify any or all the bids without assigning any reasons thereof.

10. BREACH FOR NON-PERFORMANCE OF THE CONTRACT

The competent authority of NIELIT Shillong reserves the right to breach the contract in case of non-performance of the contract i.e., non-execution of contract on time.

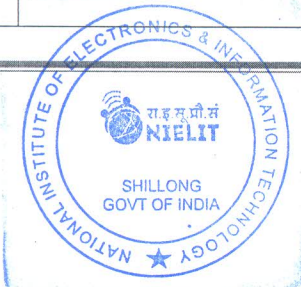


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ANNEXURE - I

Details of Medical Electronics Equipments to be supplied at NIELIT Shillong

| SrNo | Name of the Equipment | Specification | Quantity |
|------|---|--|----------|
| 1. | Bio-Medical Instrumentation Trainers (1. ECG-EEG-EMG Module, 2. GSR Module, 3. Temperature & Respiration Module, 4. BP Module) | <p>The Biomedical Instrumentation Setup should have 1 Base Frame with Power Supply along with Different modules.</p> <p>The base frame:</p> <ul style="list-style-type: none"> • Provides Power supplies: • 0/+15 Vdc, 1 A and 0/-15 Vdc, 1 A, • +15 Vdc, 1 A and -15 Vdc, 1 A, • -5 Vdc, 1 A and +5 Vdc, 1 A, • 6 – 0 – 6 Vac, 1 Amp • Voltage regulation & protection against over voltage or short circuit. <p>1. ECG-EEG-EMG Module:</p> <ul style="list-style-type: none"> • Should comprise an ECG simulator which is mandatory to provide power supply to the circuit. • Have at least 30 Test Points. • Circuit blocks of Electrocardiograph to record the potential. • Electroencephalograph to record the cerebral electrical activity. • Electromyography to record the electrical activity of muscles and of the relevant nervous fibers. • External block ECG simulator to provide power supply to the ECG, EEG and EMG Panel in order to meet the requirements for the patient safety. <p>2. Galvanic Skin Resistance (GSR) Module:</p> <ul style="list-style-type: none"> • Should have at least 18 Test Points & a Audio Visual level indicator on the same board. • It should contain display to monitor the GSR. <p>3. Temperature & Respiration Module:</p> <ul style="list-style-type: none"> • Should have at least 20 Test Points & three 7 segment display. • Should provide the Variation of temperature on the surface of the body. • It should give the breathing frequency while relaxing and while exercising. <p>4. Blood pressure module:</p> <ul style="list-style-type: none"> • Should Evaluate the average cardiac rate. • Should measure the blood pressure and heartbeat. | 1 Set |
| 2 | Ultrasound Wattmeter—1 Nos | Versatile usage with total pulsed or continuous-average-energy ultrasound sound devices ;Calibration verification and auto-zero features to ensure reliable readings ;Transducer clamp and centering rings for stable readings ;Leveling mechanism for | 1 no. |



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|---|--|--|-------|
| | | maximum accuracy ;Easy documentation with RS232 data transfer ;Battery-operated or line-powered for convenient operation ;Easy-to-read 3-digit display; Compact and easy-to-use. | |
| 3 | Defibrillator Analyzer | ECG;VF recognition; Pulse Oximeter; Pacer ;Thermal printer; TFT LCD blue-mode monitor; Electrodes; Data backup; Rechargeable batteries | 1 no. |
| 4 | Patient Simulator | TFT display; Built-in rechargeable lithium battery; Over pressure protection; Arrhythmia and ST-segment analysis; Audio and visual alarm; Network function; Data storage and review; Applicable for adult, pediatric, and neonate; ECG cable | 1 no. |
| 5 | Pulse Oximeter Simulator | LCD with backlit display, Trend SpO2 and Pulse Rate for last 24 hours(Operational Display), Numeric Value of SpO2 and Pulse rate, Pitch Tone Variation for different SoP2 values, Built in rechargeable batteries | 1 no. |
| 6 | Soldering & De-soldering Stations Digital Rework Station | Soldering : Input voltage: 170 to 270 V Temperature stability $\pm 10^{\circ}\text{C}$ Temperature accuracy $\pm 1^{\circ}\text{C}$ of tolerance at idling time Tip to ground potential under 2mV Tip to ground resistance under 2 Ohms Desoldering : Desold: 70 watts Input: 170 to 270V (190 to 290V AC) Temperature range: 180 to 480 $^{\circ}\text{C}$ Vacuum: 600 mm/Hg For SMD Rework Air pump: diaphragm pump Power consumption: 270 ohm Capacity: 24L/min Hot air temperature 200 to 550 $^{\circ}\text{C}$ Temperature accuracy $\pm 1^{\circ}\text{C}$ | 1 no. |



TENDER FOR SUPPLY OF MEDICAL ELECTRONICS EQUIPMENTS AT NIELIT SHILLONG

ANNEXURE-II

(To be submitted on letterhead of the firm)

To: Director-in-Charge,
NIELIT Shillong
2nd floor, MSHFCS Ltd Building,
Behind Bethany Hospital, Upper Nongrim Hills,
Shillong-793003, Meghalaya

Sub: Submission of technical bid for supply of Medical Electronics Equipments at NIELIT Shillong.

Ref: Your tender no. NIELIT/SHL/MEL/Equip/2K14/178(PT-1)/ 895 dated: 9th June '2017.

Sir,

With response to your tender mentioned above, the technical bid of our firm for supply of Medical Electronics Equipments at NIELIT Shillong is submitted herewith along with the following mandatory documents as mentioned in the tender documents.

| SL NO. | DOCUMENTS NEED TO BE SUBMITTED | WHETHER SUBMITTED (Tick YES/NO) | | Ref. Page No. | RELEVANT DETAILS | REMARKS |
|--------|---|---------------------------------|----|---------------|---|---------|
| 01 | Tender Document fee | YES | NO | | DD No: Date: Bank Name: Amount: Rs 1,000/- In Favour of: NIELIT Shillong-Main A/C Payable at: Shillong, Meghalaya | |
| 02 | Earnest Money Deposit (EMD) | YES | NO | | DD No: Date: Bank Name: Amount: Rs 40,000/- In Favour of: NIELIT Shillong-Main A/C Payable at: Shillong, Meghalaya | |
| 03 | Certificate of Registration of Firm | YES | NO | | | |
| 04 | Proof of office address (telephone bill, electricity bill etc.) | YES | NO | | | |



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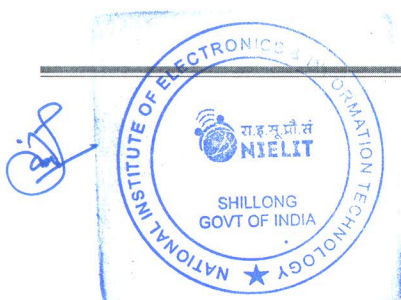
| | | | | | | |
|----|--|-----|----|--|--|--|
| 05 | Details of Bank Account of the firm. A cancelled cheque of the account of the firm to be enclosed. | YES | NO | | | |
| 06 | PAN Card | YES | NO | | | |
| 07 | VAT/CST Registration no. | YES | NO | | | |
| 08 | Service Tax Registration Number. | YES | NO | | | |
| 09 | Annual Turnover Certificate of last 3 (three) financial year duly certified by the Chartered Accountants | YES | NO | | | |
| 10 | IT returns and Audited Balance Sheet of the last 3 years. | YES | NO | | | |
| 11 | Non-relation certificate with the employees of NIELIT Shillong. | YES | NO | | | |
| 12 | Not blacklisted certificate as mentioned earlier in the form of affidavit. | YES | NO | | | |
| 13 | An Undertaking by the agency for Acceptance & Compliance of all terms & conditions mentioned in this tender. | YES | NO | | | |
| 14 | List of clients where the equipments had been supplied and Satisfactory Completion certificate from all existing clients | YES | NO | | | |

Thanking you,
Yours faithfully,

Signature of authorized signatory

Date:-

(Seal of the firm)



TENDER FOR SUPPLY OF MEDICAL ELECTRONICS EQUIPMENTS AT NIELIT SHILLONG

ANNEXURE-III

(To be submitted on letterhead of the firm)

To:

Director-in-Charge,
NIELIT Shillong
2nd floor, MSHFCS Ltd Building,
Behind Bethany Hospital, Upper Nongrim Hills,
Shillong-793003, Meghalaya

Sub: Submission of financial bid for supply of Medical Electronics Equipments at NIELIT Shillong.

Ref: Your tender no. NIELIT/SHL/MEL/Equip/2K14/178(PT-1)/895

dated: 9th June'2017.

Sir,

With response to your tender mentioned above, the technical bid of our firm for supply of Medical Electronics Equipments at NIELIT Shillong is submitted herewith along with the following mandatory documents as mentioned in the tender documents.

| SrNo | Name of the Equipment | Specification | Quantity [*] | Rates Rs |
|------|---|---|-----------------------|-------------|
| 1. | Bio-Medical Instrumentation Trainers (1. ECG-EEG-EMG Module, 2. GSR Module, 3. Temperature & Respiration Module, 4. BP Module) | <p>The Biomedical Instrumentation Setup should have 1 Base Frame with Power Supply along with Different modules.</p> <p>The base frame:</p> <ul style="list-style-type: none">• Provides Power supplies:• 0/+15 Vdc, 1 A and 0/-15 Vdc, 1 A,• +15 Vdc, 1 A and -15 Vdc, 1 A,• -5 Vdc, 1 A and +5 Vdc, 1 A,• 6 – 0 – 6 Vac, 1 Amp• Voltage regulation & protection against over voltage or short circuit. <p>1. ECG-EEG-EMG Module:</p> <ul style="list-style-type: none">• Should comprise an ECG simulator which is mandatory to provide power supply to the circuit.• Have at least 30 Test Points.• Circuit blocks of Electrocardiograph to record the potential.• Electroencephalograph to record the cerebral electrical activity.• Electromyography to record the electrical activity of muscles and of the relevant nervous fibers.• External block ECG simulator to provide power supply to the ECG, EEG and EMG Panel in order to meet the requirements for the patient safety. <p>2. Galvanic Skin Resistance (GSR) Module:</p> | 1 Set | |



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| | | | | |
|---|--------------------------|--|---|--|
| | | <ul style="list-style-type: none"> • Should have at least 18 Test Points & a Audio Visual level indicator on the same board. • It should contain display to monitor the GSR. <p>3. Temperature & Respiration Module:</p> <ul style="list-style-type: none"> • Should have at least 20 Test Points & three 7 segment display. • Should provide the Variation of temperature on the surface of the body. • It should give the breathing frequency while relaxing and while exercising. <p>4. Blood pressure module:</p> <ul style="list-style-type: none"> • Should Evaluate the average cardiac rate. • Should measure the blood pressure and heartbeat. | | |
| 2 | Ultrasound Wattmeter | Versatile usage with total pulsed or continuous-average-energy ultrasound sound devices ;Calibration verification and auto-zero features to ensure reliable readings ;Transducer clamp and centering rings for stable readings ;Leveling mechanism for maximum accuracy ;Easy documentation with RS232 data transfer ;Battery-operated or line-powered for convenient operation ;Easy-to-read 3-digit display; Compact and easy-to-use. | 1 | |
| 3 | Defibrillator Analyzer | ECG;VF recognition; Pulse Oximeter; Pacer ;Thermal printer; TFT LCD blue-mode monitor; Electrodes; Data backup; Rechargeable batteries | 1 | |
| 4 | Patient Simulator | TFT display; Built-in rechargeable lithium battery; Over pressure protection; Arrhythmia and ST-segment analysis; Audio and visual alarm; Network function; Data storage and review; Applicable for adult, pediatric, and neonate; ECG cable | 1 | |
| 5 | Pulse Oximeter Simulator | LCD with backlit display, Trend SpO2 and Pulse Rate for last 24 hours(Operational Display), Numeric Value of SpO2 and Pulse rate, Pitch Tone Variation for different SoP2 values, Built in rechargeable batteries | 1 | |



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|---|---|--|---|--|
| 6 | <p>Soldering & De-soldering Stations Digital Rework Station</p> | <p>Soldering : Input voltage: 170 to 270 V Temperature stability $\pm 10^{\circ}\text{C}$ Temperature accuracy $\pm 1^{\circ}\text{C}$ of tolerance at idling time Tip to ground potential under 2mV Tip to ground resistance under 2 Ohms Desoldering : Desold: 70 watts Input: 170 to 270V (190 to 290V AC) Temperature range: 180 to 480°C Vacuum: 600 mm/Hg For SMD Rework Air pump: diaphragm pump Power consumption: 270 ohm Capacity: 24L/min Hot air temperature 200 to 550°C Temperature accuracy $\pm 1^{\circ}\text{C}$</p> | 2 | |
|---|---|--|---|--|

