Center for Nanoscience and Technology

PONDICHERRY UNIVERSITY

R.V.Nagar, Kalapet, Puducherry- 605014

Tender Notification

Ref No: PU/CNST/Inspire/Vijay/DC -07-2018 Date:2/Jul/2018

Subject: Pondicherry University- Supply & Installation of following equipment under Department of Science and Technology – **DST - INSPIRE Faculty Project to Dr. K. Vijayarangamuthu** – Sealed Quotations called for – reg.

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Sealed tenders (Single Bid) along with complete technical details are invited from the reputed firms for the supply of given items purchased under DST-Inspire Faculty Project, Centre for Nanoscience and Technology, Pondicherry University. **The tender must be accompanied by a tender document fee of ₹. 100/-.** The Small Scale units are exempted from payment of tender fee provided they enclose the proof of their exemption Certificate issued by the competent authority.

Item	Quantity
DC Regulated Power Supply - Programmable	1

- **Complete technical specifications to be included in the Technical statement.**
- **Price should include following things: (1)** Cost of the item, **(2)** Cost of transportation and installation at CNST, Pondicherry University, if any, and **(3)** Taxes. If the item has any optional accessories, their price should be quoted separately.

Specification for DC Regulated Power Supply – Programmable

DC Output : 0 - 32 V, 3 A

Current Limit : 100 mA - 3 A

Setting Resolution : Voltage - 100 mV, Current- 10 mA with step increment. Should contain user friendly settings of Voltage and Current using keypad and Encoder

Stability **:** ≤ 2.5 mV at 3 0 V / 3 A

Internal Resistance : 10 mΩ

Recovery Time **:** ≤ 50 µs

Load Regulation **:** ± (0.05 % +10 mV) for 0 - 30 V

Line Regulation **:** ± (0.05 % +10 mV) for 0 - 30 V

Temperature Coefficient: ± (0.05 % + 5 mV / °C)

Ripple & Noise **:** ≤ 1 mVrms

Display **:** LCD Screen with backlit for voltage, current and Power

Accuracy **:** ±(1% +1 digit)

Over Range Indication **:** Glowing 'Over Current' LED indicate Overload

PC Interface **:** USB or RS232

Software : should be provided free of cost for control via PC. It should have operations like, Step mode, Pulse mode, RAMP, mode, Pulse width Mode. Different types of standard waveforms like RAMP, Pulse, Square, must be generated with voltage with respect to time defined.

Protective modes **:** Over load, over voltage, over current, over heat and short circuit Protection.

Operation mode **:** Constant Voltage source and Constant Current source mode

Insulation **:** Between chassis & output terminals: >10 MΩ at 100 V DC and between chassis & AC plug: >50 MΩ at 500 V DC.

Operating Power Supply **:** 230 V ±10%, 50 / 60 Hz

Operating Temperature **:** 0 - 40°C, 80% RH

Terms and Conditions:

(1) The rate should be quoted for a single unit and also total quantity as given in the quotation notice.

(2) Warranty: 3 years. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.

(3) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, compatibility with the existing System, etc. Pondicherry University reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof.

(4) Payment: After delivery and after ascertaining quality of the product.

(5) GST Concession certificate: University will provide declaration certificate for availing 5% GST.

(6) The engineer should install the equipment free of cost at the site. However, utilities like power, water, air, etc. will be provided.

(7) The firm should have been in existence for at least six years as on the date of this quotation. Company should be ISO certified.

(8) The validity of the each quotation should be at least for 90 days from closing date.

(9) Any offer containing incorrect & incomplete technical and commercial information shall be liable for rejection.

(10) All other purchase procedure and conditions laid down by Pondicherry University apply.

General Information:

1) Date and Time

a. Last date and time of receipt of the Quotations: **July 13th, 2018, 3.00 PM**

b. Date and Time of Opening of the Quotations: **July 13th, 2018, 3.30 PM**

2) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, compatibility with the existing System, etc.

3) The bids submitted by the vendors should be valid for a minimum period of 90 days from the date of the opening of tender and the prices should be valid till execution of purchase agreement.

4) Submitting format:

a. The offers received through telex / telefax / e-mail will not be accepted by the University under any circumstances.

b. The tenders should be addressed to the Principal Investigator, Pondicherry University.

Name of the Equipment with S. No: _____

To,

Dr. K. Vijayarangamuthu, (P.I)
DST – Inspire Faculty,
Centre for Nanosciene and Technology,
Pondicherry University,
R.V. Nagar, Kalapet, Puducherry – 605014.
Ph. - 9489942024

From,

Supplier's Address