Format for Submission of Expression of Interest (EOI)

Brief about Expression of Interest.

Name of the Software	**1) Force, Displacement, Velocity, Acceleration, Vibration, Speed measurements with NI LavVIEW licence for Virtual Insterumentation** **2) Environmental and Humidity Measurements Trainers with NI LabVIEW LKicence for Virtual Insterumentation** **3) ELVISS II Based Remote Enabled Experiment Lab**
Location of the Supply	Veer Surendra Sai University of Technology, Burla, Odisha-768018
Name of Authority	Vice-Chancellor
Eligible firms	The firm should be the OEM/Authorized Dealers of the OEM having experience in supply and maintenance of the same item earlier.
Date of Submission of EOI	Last date is 20.10.2019
Contact person	Nodal Officer, Procurement, TEQIP-III, VSSUT, Burla
Phone Number of Contact person	9437177717
Email	pcvssutb@gmail.com
Address for submission of EoI	Nodal Officer, Procurement, TEQIP Veer Surendra Sai University of Technology, Burla, Odisha-768018.
Selection Process	Stage1: Expression of Interest (EOI); Stage 2: Quotation proposal submission in TEQIP-III format

- **The EoI will be submitted by Speed Post/Registered Post only**

The sealed envelope containing the EoI should be super scribed with "**Expression of Interest (EoI) for supply of 1)Force, Displacement, Velocity, Acceleration, Vibration, Speed measurements with NI LavVIEW licence for Virtual Insterumentation 2) Environmental and Humidity Measurements Trainers with NI LabVIEW LKicence for Virtual Instrumentation and 3) ELVISS II Based Remote Enabled Experiment Lab in Department of Electrical Engg."**

1) **Specification for Force, Displacement, Velocity, Acceleration, Vibration, Speed measurements with NI LavVIEW licence for Virtual Insterumentation.**

Built in power supply : DC supply +/- 12V,500mA, Variable 7V to 14V @ 3Amp.
Built in function generator-O/P waveform sine, triangular & square, TTL O/P freq. 1Hz to 200KHz in ranges with amplitude & freq. control pots, o/p voltage 10Vpp.
On board measurement : DC voltmeter 2V/20V (1 No) & LED BAR graph with 10 LED indicator to display 0-2.5V or 0-4V input.
Computer interface DAQ card: Low-Cost DAQ USB Device with NI DAQmx Support; DAQ consist of 08 Single ended or 04 Differential Analog Input Channel with 16 bit resolution and 50 kS/s sampling rate input ±10 V, 02 Analog Output channels with 16 Bit resolution 5 kS/s simultaneous per channel update rate in the rage of ±10 V, 13 Digital Input/Output line.
Software: NI LabVIEW Application software to run the system will be provided along with setup.

2) **Specification for Environmental and Humidity Measurements Trainers with NI LabVIEW LKicence for Virtual Insterumentation.**
Range: 0% to 95%
Power: 200 µA @ 5 VDC
Response Time (time for a 90% change in reading):
In still air: 60 minutes (typical)
With vigorous air movement: 40 seconds (typical)
Typical Resolution: 0.04% RH
Humidity Sensor Specifications

3) **Specification for ELVISS II Based Remote Enabled Experiment Lab**

Programmable Xilinx 7020 FPGA**, E**ngineering laboratory device developed for project-based learning that combines instrumentation and embedded design with a web-driven experience to create an active learning environment in the lab and studio and flipped classrooms, delivering a greater understanding of engineering fundamentals and system design. It addresses engineering curriculum by integrating project-based learning, teamwork, and design with course-specific application boards and labs developed by experts from education and industry. Enables educators to scale to future multidisciplinary applications, driving student employability.

- ✓ 16 Analog Input Channel,
- ✓ 4 Channel Analog Output
- ✓ 40 Channel Digital Input and Output
- ✓ 4-channel, 100 MS/s (400 MS/s single channel), 50 MHz oscilloscope with 14-bit resolution
- ✓ 16-channel, 100 MS/s logic analyzer/pattern generator
- ✓ 16-channel, 1 MS/s analog input with 16-bit resolution
- ✓ 40 DIO lines individually programmable as input, output, PWM, or digital protocols
- ✓ Digital Multimeter : 4½ digits
- ✓ Variable Power Supply : ±15 V,2 500 mA
- ✓ Software includes interactive web and desktop soft front panels, instrumentation support for Windows and Mac, API support for LabVIEW and text-based languages, shipping examples, and detailed help files .

APPLICANT'S EXPRESSION OF INTEREST

To,
Nodal Officer, Procurement, TEQIP-III
TEQIP Cell
Veer Surendra Sai University of Technology
PO- College of Engineering, Burla
Sambalpur - 768018
Odisha

Sub: **Submission of Expression of Interest for supply of …….. with the given Technical specification under TEQIP-III.**

Dear sir

In response to the Invitation for Expressions of Interest (EOI) published on _____ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we agree to supply the equipment /item with the following Technical specification:

Technical specifications

Organizational Details :

1. Name of the Organization
2. Complete postal address with pin code:
3. GST No:
4. Telephone No.
5. Fax Number
6. Mail Id:
7. Name of representative:
8. Representative Mobile Number :
9. Representative E mail Id:

Experience in related fields: Attach the purchase order if supplied any other Institute.

Additional information (if any):

Declaration: We hereby confirm that we are interested in supplying the above equipment/item as per the given Technical specification to VSSUT, Burla under TEQIP III and we certify that our organization has not been blacklisted during last three financial years. All the information provided herewith is genuine and accurate.

Sincerely Yours,

Signature of the applicant
[Full name of applicant]
Stamp.....
Date:
Note: This is to be furnished on the letter head of the organization and signed in every page.