

**PROCUREMENT OF GOODS  
UNDER  
NATIONAL SHOPPING  
PROCEDURES**

*(For Contracts valued less than the  
Equivalent of US \$20,000 each)*

**Package Code  
TEQIP-II/WB/WB2G02/3**

**TEQIP Phase-II  
Jadavpur University**

**INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS  
UNDER SHOPPING PROCEDURES**

Ref No. **TEQIP-II/WB/WB2G02/3**

Date: 22-05-2012

To

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

**Sub.: INVITATION FOR QUOTATIONS FOR SUPPLY OF LABORATORY EQUIPMENT**

1. You are invited to submit your most competitive quotation for the following goods:

<b>Brief Description of the Goods</b>	<b>Specifications*</b>	<b>Qty</b>	<b>Delivery Period</b>	<b>Place of the Delivery</b>	<b>Installation Requirement if any</b>
Digital relay based protection system	As per Schedule - 1	01 (One)	4 weeks	Power Engineering, JU Saltlake Campus	As required

*\*Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.*

2. Government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to **US\$ 300 Million** towards the cost of the **TEQIP - II** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

**3. Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

**5. Validity of Quotation**

Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

**6. Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) are properly signed; and
- (b) Conform to the terms and conditions, and specifications.

The Quotations would be evaluated for all the items together.

6.1 Quotations will be compared on the basis of quoted price for goods at its final destination.

6.2 Past performance & experience may be furnished to consider the credential of the bidder

**7. Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

8. Payment shall be made immediately after delivery and installation of the goods properly.

9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

10. Rate of AMC may be furnished separately, which will be applicable at the end of the normal commercial warrant period.

11. You are requested to provide your offer latest by 3.30 pm on 06-06-2012. All the bids/ Tender will be opened on same day at 4.00 pm.

We look forward to receiving your quotations and thank you for your interest in this project.

**Date: 22-05-2012**

The Registrar, Jadavpur University  
Name: Dr. Pradip Kumar Ghosh  
Address: Aurobindo Bhavan,  
[TEQIP CELL]  
**Jadavpur University**  
Tel. No. (033) 2414-6154, 2457 2556

Encl.

- 1. Format for quotation
- 2. Specification of the item(s)

**FORMAT FOR QUOTATION\* SUBMISSION**  
(In letterhead of the supplier with seal)

Ref No. TEQIP-II/WB/WB2G02/3

Date: \_\_\_\_\_

To  
The Registrar, Jadavpur University  
TEQIP CELL, Aurobindo Bhavan (2<sup>nd</sup> Floor)  
Jadavpur University  
Kolkata 700 032

Sl. No.	Description of goods (with full specifications)	Qty	Unit	Quoted Unit rate in Rs.	Total Amount	
					In Figures	In Word

**Gross Total cost Rs.** \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs..... (Amount in figures) (Rupees .....  
..... (Amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of ..... Months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Contact No. \_\_\_\_\_

*\*Applicable while the bids are being invited for more than one item and would be evaluated for all the items together. Modify where evaluation would be made for each item separately.*

## EQUIPMENT SPECIFICATIONS

Ref. No.: TEQIP-II/WB/WB2G02/3TEQIP-II/WB/WB2G02/3

**Equipment Name: Digital relay based protection system**

### Specification of the Instrument:

- Digital relay based protection unit used for voltage and/or current protection in low voltage distribution system
- Atleast 10 logic inputs and 8 relay outputs; low level analog output (4-20 mA)
- Suitable Communication Port ; Connection to Ethernet TCP/IP Network
- Appropriate software tools for control logic customization, parameter and protection setting, display of recorded data
- User machine interface unit with Graphical LCD screen
- Auxiliary power supply
- Operating temperature -25° C to 70° C
- Suitable temperature sensors for processing temperature data
- Metering options for phase current, residual current, phase to phase voltage, phase to neutral voltage, positive sequence voltage, residual voltage, frequency, temperature etc as applicable to Transformer/ Generator/ Feeder/ Busbar Protections
  
- Transformer Protection against -
  - # Earth fault
  - # Unbalance/negative sequence
  - # Phase over current
  - # Over voltage
  - # Under voltage
  - # Over frequency
  - # Under frequency
  - # Thermal overload
  
- Generator Protection against -
  - # Earth fault
  - # Unbalance/negative sequence
  - # Phase over current
  - # Directional real over power
  - # Directional reactive over power
  - # Under voltage
  - # Over voltage
  - # Over frequency
  - # Under frequency
  - # Thermal overload

- Feeder Protection against –
  - # Earth fault
  - # Unbalance/negative sequence
  - # Phase over current
  
- Busbar Protection against –
  - # Phase to phase under voltage
  - # Phase to neutral under voltage
  - # Phase to phase over voltage
  - # Positive sequence under voltage
  - # Over frequency
  - # Under frequency