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**Ref No: IIT/ SIIC/Mole/DTS/BV/21-01-2015**

**INVITATION FOR QUOTATIONS FOR SUPPLY OF DISPATCHER TRAINING SIMULATOR (DTS)**

Brief Description of the Goods	Specifications*	Qty.	Delivery Period	Place of Delivery	Installation Requirement if any
<b>Dispatcher Training Simulator (DTS)</b>	Mentioned below	01	4-6 Weeks	Central Store, IIT Kanpur	Yes

**DMS (Distribution Management System) -**

01

The DTS must have the capability to train the personnel on the followings functions -

- SCADA system for distribution
- Network model and connectivity visualization with and without GIS map overlay and its analysis
- Alarm and Alerts visualization and analysis
- Voltage VAR control visualization
- Load shed application visualization
- Fault detection, isolation and restoration
- Loss minimization via feeder reconfiguration
- Load balancing via feeder reconfiguration
- Operation monitor
- Distribution load forecasting
- Outage management

**EMS (Energy Management System) -**

The DTS must have the capability to train the personnel on the followings functions -

- SCADA system
- Network modelling and visualization
- Alarm and Alerts visualization and analysis
- State Estimation
- Power Flow
- Contingency Analysis
- Security Enhancement Analysis
- Automatic generation control



- Economic dispatch
- Interchange scheduling
- Voltage control
- Corrective action for loss of generation or transmission
- Optimal power flow
- Blackstart Restoration
- Short circuit analysis
- Wide area monitoring system

The DTS (for EMS as well as DMS) must have the capability to change the network model to generate various scenarios for training purposes.

Please note that more than six user licenses of the DTS may also be procured based on the available fund and the financial quotes provided by the company. Please provide your quote for the DMS DTS and EMS DTS separately as well as combined.

Quotations are invited for the six user licenses of the DTS having the following **Energy Management System (EMS)** and **Distribution Management System (DMS)** functions.

**Terms & Condition**

**2. The scope includes:**

- a. Setting up machine in IIT Kanpur.
- b. Initial Installation and configuration.
- c. Training.

**2. 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 on the raw materials and components shall be included in the total price. **Except Central Excise Duty & CDEC** (custom duty), as IIT Kanpur is exempted from this duty.
- c) Sales tax in connection with the sale shall be shown separately.
- d) 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.
- e) The Prices shall be quoted in Indian Rupees only.

**3. Each bidder shall submit only one quotation.**



4. **Validity of Quotation**

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

5. **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 specification

**The Quotations would be evaluated separately for each item**

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

6. **Award of contract**

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

- 6.1 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.**
- 6.2 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.
7. Payment shall be 90% against the delivery and 10% after satisfactory installation & configuration.
8. Warranty/ guarantee shall be 60 months to the supplied goods.
9. The items quoted by any firm are accepted only when they meet the relevant Indian Standards specifications and the firm also provides the testing certificates from reputed BIS recognized testing bodies like CPRI, ERDA, IITs, etc.





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10. You are requested to provide your offer latest by 2.30 p.m. hours on 10/02/2015
11. We look forward to receiving your quotations and thank you for your interest in this project.

**FORMAT OF QUOTATION \***

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	<b>TOTAL</b>						
	<b>Sales Tax</b>						

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 ) (Rs. .... amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of 60 months shall apply to the offered goods.

Signature of Supplier





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**SPECIAL CONDITION**

**1) Authorization from Manufacturer**

In the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in India.

**2) Proof of Manufacturing and past performance.**

Details of experience and past performance of the bidder on equipment offered and on those of similar nature within the past one year and details of current contracts in hand and other commitments.

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