

INVITATION FOR QUOTATION

TEQIP-II/2016/DL2G01/Shopping/80

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Netsim Emulator	01	45	Electronics & Communication Engineering Department, Delhi Technological University Shahbad Daultpur, Main Bawana Road, New Delhi, Delhi 110042	

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase 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. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations,

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

6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.
8. 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.

8.1 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.

8.2 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.

9. Performance Security

Within 15 days of receiving award letter / purchase order, the successful bidder shall deliver to the **Delhi Technological University** (Employer) the performance security in the name of **Registrar**, DTU (either a bank guarantee or a bank draft in favour of the Employer) for an amount equivalent of 5 % of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in clause 11.

10. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 0% of total cost

Satisfactory Acceptance - 100% of total cost

11. All supplied items are under warranty of **12** months from the date of successful acceptance of items.

12. You are requested to provide your offer latest by **15:00** hours on **11-Jan-2017**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **Equipments need to be demonstrated for all functionality and accordingly training has to be provided.**
15. Testing/Installation Clause (if any) **Equipments to be installed in Electronics & Communication Engineering Department at proper place.**
16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
17. Sealed quotation to be submitted/ delivered at the address mentioned below,
TEQIP Cell (Second Floor, Room No. LW6 –SF5), Mechanical Engineering Department, Delhi Technological University (Formerly Delhi College of Engineering), Shahbad, Daulatpur, Delhi-110042
18. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Netsim Emulator	<p>Emulation Server and Clients</p> <ol style="list-style-type: none"> 1.Support up to 50 emulation clients with real time synchronization in all clients and server. 2.Automatic route configuration in all emulation clients 3.Displays simulation scenario information in all clients 4.Logging feature with Thread ID, date, time, file name and line number 5.Captures packet from windows network layer and NAT protocol 6.Supports multiple applications like Audio, Video, File transfer, Voice Call and Internet browsers 7. Interface with VLC player for video streaming 8. Capture packet based on filters like Source IP, Destination IP, Source port and Destination port. 9.Mapping function between emulation and simulation to map the simulated packet to pcap file format described below. The packet header should be as follows <ol style="list-style-type: none"> a)IPHDR: HdrLength, Version, TOS, Length, ID, FraOff, TTL, Protocol, checksum, SrcAddr, DstAddr, b)ICMPHDR: Type, Code, Checksum, Body c)TCPHDR: SrcPort, Dst, Port, SeqNum, AckNum, Reserved, Hdrlength, Fin, Syn,Rsy, Psh, Ack Urg, Reserved, Window, Checksum, UrgPtr d)UDPHDR: SrcPort, DstPort, Length, Checksum <p>The mapping function will map the NetSim_PACKET* structure in the above structure format.</p> <p>Source Codes</p> <p>Source C codes are available for following primitive functions for packet capture and analysis. This can be used in conjunction with protocol source codes for developing new networking protocols and technologies</p> <ul style="list-style-type: none"> •Main_emulation - Main emulation engine for packet capture. •form_packet_info- Form the packet information like time of capture, interface information,

		<p>Capture handle.</p> <ul style="list-style-type: none">•dispatch_to_netsim – Dispatch the packet to NetSim Simulator. Write application out event.•emulation_send_packet – Interface between Network stack and emulation engine while returning packet to OS.•create_sim_packet – Create simulation packet from real packet.•main_Pkt_Capture – Create multiple handles for capturing and storing real packets.•reinject_pkt – Return the real packet to OS.•print_packet_info – print the packet information in pcap file.•fnSetupRoute – Change the IP table for local entry in emulation client.•fnResetAdapter – Reset the Network adapter in emulation client.•fnSetupSocket – Set the socket in emulation client and server.•get_all_interface_ip - Get all the interface IP addresses in emulation client. Users can modify source code, link and debug their custom code using Visual studio
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FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): 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 confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

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: _____

Address: _____

Contact No: _____