



November / 2010

Short Tender Notification No. November / 2010

COMPUTER SUPPORT GROUP

Item No. CSG 10 - C: Networking (Wireless)

BIDDER'S COPY

INSTRUCTIONS TO BIDDERS

1. This document set contains the following:

a) Terms and conditions of the Tender	-	Pages 2 & 3
b) Details of the Firm offering this Quote	-	Page 4
c) Technical Compliance Form	-	Pages 5 to 9
c) Quotation form (Price Bid)	-	Pages 10
d) Currency Form(quoted on behalf of the foreign suppliers)	-	Pages 11 to 12
d) NIT-T's check list copy	-	Page 13
2. The bidder's copy is for your future records. Please fill in and return only NIT-T's copy.
3. Read through the terms and conditions given and affix your signature and seal if you find them acceptable. Any deviations may be recorded. Read carefully list of specifications that we have enclosed.
4. Fill in the questionnaire regarding the Firm.
5. The downloaded documents '**Technical Compliance Form**' and '**Quotation Form (Price Bid)**' should be **TYPE WRITTEN USING CAPITAL LETTERS ONLY**. At the time of filling the "**Quotation Form (Price Bid)**" make sure that you have not missed anything. Specify the model number & specification for each item. The form should be filled item-wise. Do not leave blank fields. If you are not quoting for a specific item, you should specify "**NOT QUOTING**".
6. **Do not use** ambiguous terms like "**yes**", "**complied**" or "**available**". Specifically mention the matching specification of the product offered by you. Make sure that you have affixed your signature with date and seal on all the documents.
7. Please send the tenders in a sealed envelope superscribed as "**QUOTATIONS AGAINST SHORT TENDER NOTIFICATION NO: November/2010 Item No. CSG 10 - C : Networking (Wireless)**" so as to reach "The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli - 620 015, India" on or before **November 25, 2010 at 2.30 p.m.**
8. **Please note that NIT-T already has a 10G high speed campus wide network, with Core & Edge switches, 15km of fiber, and CAT 6 cabling. This tender is for new requirements / expansion as and when it arises. The order will be based on the actual requirement at the time of ordering.**
9. For any further clarifications, contact by E-Mail: purchase@nitt.edu or by written request to "The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli - 620 015"
10. DO NOT VISIT US WITHOUT OUR CONCURRENCE.

Last Date for receipt of tender at NIT-T	: November 25, 2010 at 2.30 p.m.
Opening Date for Tender	: November 25, 2010 at 3.30 p.m.

CHECKLIST TO BE FILLED IN BY BIDDER	
List of documents to be enclosed	Completed & Signed
1. Terms and Conditions form	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's Quotation form (Technical & Price Bid)	YES / NO
4. Currency Form(quoted on behalf of the foreign suppliers)	YES / NO
5. Other technical specifications & pamphlets	YES / NO

- Note:** 1. "Cover" should contain the following:
- a. Form of "**Acceptance of Terms and Conditions**".
 - b. Form of "**Firms details**"
 - c. Pamphlets, if any (in a separate sealed cover)
2. Quotation Form (Technical, Price Bid and Currency Form)

Please retain this page with you for your future reference.

BIDDER'S COPY



November/2010

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620015

Short Tender Notification No. November/2010

COMPUTER SUPPORT GROUP

Item No. CSG10 - C : Networking (Wireless)

“TERMS AND CONDITIONS FORM”

**IMPORTANT : READ ALL THE FOLLOWING TERMS AND CONDITIONS AND
SIGN THE ACCEPTANCE CLAUSE FOLLOWING IT**

1. The offers should be addressed to “The Head, Computer Support Group, National Institute of Technology, Tiruchirappalli 620015, India” and should be sent in a sealed envelope superscribed “**QUOTATIONS AGAINST SHORT TENDER NOTIFICATION No.: November/2010 CSG 10 - C: Networking (Wireless)**” so as to reach us **on or before 2.30 p.m. on November 25, 2010** .
2. Each offer should be sent in a sealed cover with the tender documents. Tenders received through email or FAX will not be considered.
3. The tenders will be opened on **November 25, 2010 at 3:30 p.m.** in the presence of the vendors present with authorization letter from the respective companies / firms. Suppliers intending to attend the tender opening should intimate us in advance.
4. Full technical specifications and pamphlets should be sent along with the tenders. **Offers without proper technical specifications will be rejected.**
5. All offers should indicate the taxes and duties applicable, if any. Additional charges for packing, forwarding, freight, insurance etc., if any, should be clearly mentioned. Clearance at Customs will be arranged by us.
6. NIT-T is paying concessional Customs & Excise duty under Government of India Notification No.51/96 for Customs and 10/97 for Excise Duty. Currently the purchaser is paying 5% Basic Customs Duty, 2% Educational Cess on Basic Customs Duty, 1% Higher Education Cess on Educational Cess, and 4% Import Additional Duty.
7. The Institute is not authorized to issue C and D forms of Sales tax certificate.
8. In case the offered items are to be imported, the rates should be quoted in foreign currency on C.I.F. Chennai Airport basis, and it should include the Freight up to Chennai airport and the insurance cover should be up to National Institute of Technology, Tiruchirappalli. NIT-T shall pay Customs duty if any.
9. If the price quoted is in foreign currency and if the order value is more than US\$10,000 then 100% payment will be made through **Letter of Credit (LC) at sight on acceptance**. If the order value is less than US\$10,000 , then 100% payment will be through a Telegraphic Transfer (TT). **The bank charges outside India should be borne by the Supplier / Beneficiary. Part shipment not allowed.** If the price quoted is in Indian Rupees, then 100% payment will be made only after installation and commissioning. **No advance payment will be made.**
10. No revision of the price bid will be allowed once the price bids are opened.
11. No increase in price will be allowed after our firm orders are placed.
12. The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned.
13. Quote should come from authorized dealer or distributor or reseller for each of the product quoted. An authorization letter should accompany your quote for each product quoted, otherwise it may lead to rejection.
14. The delivery period and other terms should be clearly mentioned.
15. Complete user, technical and service documentation, and spare parts catalogue are to be provided along with the supply of the item.

SIGNATURE WITH DATE

SEAL OF THE FIRM



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16. The vendors are informed that they should not call us over phone or contact us in person. All clarifications can be obtained through E-Mail/FAX/Post. Vendors shall not make attempts to establish unsolicited and unauthorised contact with us after the opening of the offers and prior to the notification of the award. Any attempt by any vendor to bring to bear extraneous pressures on us shall be sufficient reason to disqualify the vendor.
17. Delay / loss in postal transit or due to other reasons will not be NIT-T's responsibility.
18. We are not responsible for accidental opening of the covers that are not properly superscribed and sealed before the time scheduled for opening.
19. The tender should be made only on the "Technical compliance form" & "Quotation form" which is available in our website, otherwise it shall lead to rejection. The technical compliance form & Quotation form should be duly filled up (preferably **TYPE WRITTEN IN CAPITAL LETTERS**) and should clearly mention the features offered by the bidder against each specification.
20. Authorized signatory should sign on all the pages. Bids without authorized signatures will be rejected.
21. The manufacturers of the quoted make of the product must be of national / international repute and having ISO certificate.
22. **The vendors are informed that they should sign a stamp paper agreement with us, for Warranty, AMC, etc. before placing the final purchase order as per our terms & conditions and 5% of purchase order value (equipments) in the form of bank guarantee towards performance security. The bank guarantee will be returned to the supplier after the successful completion of supply, installation, and the warranty period.**
23. No Earnest Money Deposit (EMD) or processing fee is required for submitting this rate contact.
24. Failure to comply with all the terms and conditions mentioned herein would result in the tender being summarily rejected.
25. Vendors are informed that once the companies are shortlisted based on the technical specification, only then the price bids of the firms that meet NIT-T's Technical specification / requirements would be compared.
26. The rate contract period is for December 2010 to December 2011 for new requirements / expansion as and when it arises. The quoted prices should be valid for the entire rate contract period.
27. NIT-T reserves the right to modify or alter the specifications after short listing of tenderers.
28. NIT-T reserves the right to change the order quantity or split the orders among multiple vendors without assigning any reason(s) whatsoever.
29. NIT-T reserves the right to reject any or all the tenders without assigning any reasons whatsoever.
30. Apart from the above General Terms and Conditions, item-wise terms and conditions are enlisted in the Technical compliance form and Quotation form.

ACCEPTANCE

We accept the above terms and conditions and shall comply with them strictly.

NAME OF THE VENDOR:

ADDRESS :

SIGNATURE WITH DATE

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“DETAILS OF THE FIRM OFFERING THIS QUOTE”

(Write or print or type in block letters and please answer all the questions)

- 1. Name of the firm? 2. Date of incorporation?
- 3. Nature of the company - Government / Public / Private Company / Partnership / Proprietorship:
- 4. Specify the number of years in this line of activity by the Company ::

5. Quantity of sales in the last three years for the “Networking (wireless)” (same model that you have quoted)?

2007-2008	2008-2009	2009-2010
<input type="text"/>	<input type="text"/>	<input type="text"/>

6. Turn over in the last three years (Figures should be in Indian Rupees in Lakhs):

2007-2008	2008-2009	2009-2010
<input type="text"/>	<input type="text"/>	<input type="text"/>

7. Provide the postal address, telephone & fax numbers, and email address of the nearest service center.

8. A) Number of service engineers in the above location trained on the product quoted along with their educational qualification, certification and designation and B) Assured response time for service calls in hours:

A)

B)

9. What would be the delivery period in days from the date we place an official purchase order.

11. Enclose the list of customers to whom you have supplied “Networking (wireless)” during the last 3 years ending 31/03/2010 with full postal address and name of the contact person with phone, FAX numbers, and E-Mail id. Certificate regarding satisfactory performance of the “Networking (wireless)” from the minimum three end users should be furnished.

12. Are you the authorized dealer or distributor or reseller for the products quoted:

13. Have you supplied “Networking (wireless)” to National Institute of Technology, Tiruchirappalli in the last 3 years? If yes, specify the quantity supplied in the last 3 years and last PO reference

14. Was there any elapse or delay in supplying the goods ordered or any service related issue during the warranty period for the products ordered by NIT-T with your firm? If yes, provide details.

15. On Manufacturer’s Side to whom NITT have to contact in case of delayed supply and other issues committed by the authorized dealer / distributor / reseller :

Contact Person Name :	
Address :	
E-mail ID :	Telephone / Cell Phone :



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COMPUTER SUPPORT GROUP

Item No. CSG10 - C : Networking (Wireless)

TECHNICAL COMPLIANCE FORM

Option1: Outdoor Wireless Access Point with Omni Directional Antenna

FIRM'S NAME & ADDRESS:

FIRM'S REF:

DATE :

Sl #	NIT-T's specifications	Firm's Matching Specifications
1.	Make & Model	
2.	IEEE 802.11 b/g compliant	
3.	Type Outdoor with weather (IP67)shielded enclosure	
4.	Performance	
5.	Frequency Band : 2.4 GHz	
6.	Data Rate 802.11 g @54 Mbps (86 dBm)	
7.	Data Rate 802.11 b @11 Mbps (96 dBm)	
8.	Support minimum of 200 concurrent clients	
	Interface	
9.	1 port Auto-sensing 10/100 Base-T(RJ-45)	
10.	Antenna Array: 6 x 7.5 dBi Omni directional antennas	
	Network Management	
11.	Web-based (HTTPS) tool	
	Power Input	
12.	Power over Ethernet (55VDC) with PoE injector	
13.	AC supply (110-220 VAC)	
	Networking & QOS	
14.	Multiple SSID/BSSIDs up to 16 SSIDs	
15.	802.1q VLAN support upto 16 VLANs	
16.	Support Access & Self back hauling in single frequency	
17.	Support interference mitigation & increased throughput with Digital Beam forming & SDMA technology	
	Standards & Security should support	
18.	IEEE 802.1 q VLAN, IEEE 802.1 p ToS or DSCP QoS, WMM	
19.	WEP (64 bit/128 bit), WPA, WPA2	
20.	IEEE 802.11 b DSSS (DBPSK,DQPSK,CCK)	
21.	IEEE 802.11 g OFDM (64QAM,16 QAM,QPSK,BPSK)	
22.	RF Environmental Standards & Approvals should have passed	
23.	5 Years Comprehensive Onsite Warranty (including firmware and software upgrade, all hardware parts)	

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COMPUTER SUPPORT GROUP

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TECHNICAL COMPLIANCE FORM

Option 2: Item No. 1) Wireless LAN Controller

SI #	NIT-T's specifications	Firm's Matching Specifications
1.	Make & Model	
2.	Enclosure Rack Mount (Less than 3U)	
	Hardware	
3.	Processor (GHz)	
4.	Memory (Min.1024 MB)	
5.	Max.10/100/1000 Interfaces (Min.2)	
6.	Maximum VLANs (min.100)	
7.	Failover option required	
	N+1 Power supply	
8.	Redundancy power supplies (1+1 230 VAC)	
	Performance	
9.	Max. number of concurrent clients supported	
10.	Number of Thin APs supported (Min.256) per switch/controller	
11.	Number of Adaptive APs supported (Min.1024) per switch/controller	
12.	Total MAC addresses supported	
13.	Firewall throughput	
	Standards	
14.	IEEE 802.11a/b/g/n, WMM/802.11e	
15.	Intrusion detection	
16.	Intrusion prevention	
17.	Access Control Lists (L2/L3/L4)	
18.	QoS priority + rate limiting	
19.	Authentication (Local or External RADIUS)	

... Contd.

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TECHNICAL COMPLIANCE FORM

(Option 2: 1) Wireless LAN Controller) contd.

SI #	NIT-T's specifications	Firm's Matching Specifications
20.	Encryption	
21.	Integrated ports (pl. specify)	
	Centralized Management Software	
22.	Software name and version	
23.	Supported platform (Windows/Linux)	
24.	Integrated Reporting	
25.	Access Points Location tracking	
26.	RF planner & map	
27.	RFID support	
28.	Exporting of Logs in any database format	
	Scalability	
29.	Additional controller Expansion Slot	
30.	Thin access points supported	
31.	Adaptive Access points supported	
	Security & Certification	
32.	WEP, WPA-TKIP, WPA2-AES, 802.11i	
33.	Wi-Fi certified + Third party Labs reported	
	Licensing details (Hardware & Software)	
34.	Five years On-Site Warranty (Including OS/firmware/Software should be free upgradation for 5 years)	
35.	If any other info, please specify	

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Item No. CSG10 - C : Networking (Wireless)

TECHNICAL COMPLIANCE FORM

Option – 2 : Item No. 2) Indoor Dual-band Access Point

SI #	NIT-T's specifications	Firm's Matching Specifications
1.	Make & Model	
2.	802.11 a/b/g/n Dual Radio	
3.	Antenna details (Preferable Integrated)	
4.	Operating frequency (2.4GHz / 5 GHz)	
5.	Band unblocked	
6.	1x10/100 Interfaces	
7.	802.3af (PoE) in support	
8.	Antenna elements/signal paths	
9.	Antenna gain/interference rejection	
10.	Simultaneous users (Min. 100+)	
11.	Deployment (Wall/ceiling)	
12.	SSIDs/WLANs	
13.	Power output (2.4GHz / 5 GHz)	
14.	Integrated other ports (Pl. specify)	
	Performance	
15.	Theoretical max. speed	
	Security & Certification	
16.	WEP, WPA-TKIP, WPA2-AES, 802.11i	
17.	Wi-Fi certified + Third party Labs reported	
18.	Web-based management	
19.	Licensing details (Hardware & Software) if any	
20.	Five years On-Site Warranty (Including OS/firmware /Software should be free upgradation for 5 years)	
21.	If any other info, please specify	

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TECHNICAL COMPLIANCE FORM

Option – 2 : Item No. 3) Outdoor Dual-band Access Point

SI #	NIT-T's specifications	Firm's Matching Specifications
1.	Make & Model	
2.	802.11 a/b/g/n Dual Radio	
3.	Antenna details (Internal or External)	
4.	Operating frequency (2.4GHz / 5 GHz)	
5.	1x10/100 Interfaces	
6.	802.3af (PoE) in support	
7.	Antenna elements/signal paths	
8.	Antenna gain/interference rejection	
9.	Simultaneous users(Min. 100 +)	
10.	Deployment (Pole/Wall/ceiling)	
11.	SSIDs/WLANs	
12.	Power output (2.4GHz / 5 GHz)	
13.	Integrated other ports (Pl. specify)	
	Performance	
14.	Theoretical max. speed	
	Security & Certification	
15.	WEP, WPA-TKIP, WPA2-AES, 802.11i	
16.	Wi-Fi certified + Third party Labs reported	
17.	Web-based management	
18.	Licensing details (Hardware & Software) if any	
19.	Five years On-Site Warranty (Including OS/firmware/Software should be free upgradation for 5 years)	
20.	If any other info, please specify	

SIGNATURE WITH DATE

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**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620015**

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COMPUTER SUPPORT GROUP

Item No. CSG10 - C : Networking (Wireless)

QUOTATION FORM (PRICE BID)

FIRM'S NAME & ADDRESS:

FIRM'S REF:

DATE :

Option 1: Outdoor Wireless Access Point with Omni Directional Antenna

Sl. No.	NIT-T's specifications	Unit Price
1.	Outdoor Wireless Access Point with Omni Directional Antenna [same specification as quoted in the technical specification]	
2.	Installation & Commissioning with 15 feet pole (as per standard) (including materials & civil works)	
3.	Onsite Service Engineer for 5 years (Monday to Saturday, 8:30 am to 6:30 pm)	
4.	If any other price in addition to unit price, please give the details	

Option 2: Wireless Accessories with Master LAN Controller + Managing Software

Sl. No.	NIT-T's specifications	Unit Price
1.	Wireless LAN Controller + centralized management software [same specification as quoted in the technical specification]	
2.	Indoor Dual-band Access Point [same specification as quoted in the technical specification]	
3.	Outdoor Dual-band Access Point [same specification as quoted in the technical specification]	
4.	Onsite Service Engineer for 5 years (Monday to Saturday, 8:30 am to 6:30 pm)	
5.	If any other price in addition to unit price, please give the details	

Note:

- 1) NIT-T may opt for Option 1 or Option 2, or both the Options
- 2) After review of the Technical Proposal, promising Vendors will be selected and asked to give a live demonstration of their quoted product at NIT-Trichy.
- 3) After seeing the live demonstration, the purchase committee will proceed further.

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**NATIONAL INSTITUTE OF TECHNOLOGY
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CURRENCY FORM

“QUOTED ON BEHALF OF THE FOREIGN SUPPLIERS”

FIRM'S NAME AND ADDRESS:

FIRM'S REF:

DATE:

Sl.No.	Description	Firm's Details	
a)	Foreign supplier / Principal's Name		
b)	Complete Postal Address of the Foreign supplier		
c)	Contact Person Name [to able clarify the required details after the placing of rate contract order]		
d)	Contact Telephone Number		
e)	Contact Fax Number		
f)	Contact E-Mail ID		
g)	Currency quoted		
Preferable Terms for NITT		Vendor is accepting NITT Terms	
h)	C&F Chennai Airport with Insurance Coverage upto N.I.T., Tiruchirappalli	Yes <input type="checkbox"/>	No <input type="checkbox"/>
i)	Bank Charges within India only payable by NITT	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If vendor is not accepting the NITT Terms, please provide the following details			
j)	If the terms is not acceptable for Sl. No. (h) a) Specify the cost associated for providing C&F Chennai Airport with the Insurance Coverage upto N.IT., Tiruchirappalli, Tamil Nadu, India (Suppliers warehouse to destination of Buyer)		
k)	If the terms is not acceptable for Sl. No. (i) a) Specify the additional cost [foreign bank charges]		
l) If Vendor is able to provide Direct Door Delivery		Yes <input type="checkbox"/>	No <input type="checkbox"/>
m)	If the Sl. No. (l) is Yes then specify the associated cost have to be paid by NITT and the documents needed		

... Contd.

SIGNATURE WITH DATE**SEAL OF THE FIRM**



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CURRENCY FORM

“QUOTED ON BEHALF OF THE FOREIGN SUPPLIERS”

FIRM'S NAME AND ADDRESS:

FIRM'S REF:

DATE:

SI.No.	Description	Firm's Details	
n)	Payment mode through Telegraphic Transfer if the order value is less than US\$10,000	Yes <input type="checkbox"/>	No <input type="checkbox"/>
n)	Payment mode through Letter of Credit at sight on acceptance if the order value is more than US\$10,001	Yes <input type="checkbox"/>	No <input type="checkbox"/>
o)	Foreign supplier / Principal's Banker's Name and Address		
p)	Foreign Supplier/Principal's Bank Account number and name of the account		
q)	Foreign Supplier/Principal's Banker Swift Code		
r)	Other required Details of the Foreign Supplier / Principal's Banker		

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NIT-T'S COPY (To be filled in and submitted by the bidder)

Last Date for receipt of tender at NIT-T : November 25, 2010 at 2.30 p.m.

Opening Date : November 25, 2010 at 3.30 p.m.

CHECKLIST TO BE FILLED IN BY BIDDER (Please make sure that these pages are filled and send duly signed)	
List of documents to be enclosed	Completed & Signed
1. Terms and Conditions form	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's quotation form (Technical, Price Bid & Currency form)	YES / NO
4. Other technical specifications & pamphlets (in a separate sealed cover)	YES / NO

SEAL OF THE BIDDER

SIGNATURE WITH DATE

FOR NIT-T USE ONLY	
Name of the Vendor Address (Location):	
1. Terms and Conditions form duly signed	YES / NO
2. Details of the Firm offering this Quote	YES / NO
3. NIT-T's quotation form (Technical & Price Bid)	YES / NO
4. Currency Form (quoted on behalf of the foreign suppliers)	YES / NO
5. Other technical specifications & pamphlets [in a separate sealed cover]	YES / NO
6. No. of enclosures	
7. Status of tender	Accepted for evaluation / Rejected
	REGISTRAR

SIGNATURE WITH DATE

SEAL OF THE FIRM