NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI– 620 015
COMPUTER SUPPORT GROUP

NITT/F.NO.011,13 &17/HEFA/2019-20/IT/CSG   Date: 22.03.2022

Minutes of the pre bid meeting held at 03:00 pm on 11.03.2022 via Online Webex Platform at Computer Support Group, NIT, Trichy.

Name of work: Supply, Installation, Testing, Commissioning of Wireless LAN Access Infrastructure at hostel zone and institute zone in NIT Tiruchirappalli on Turnkey Basis

Tender Notification No: NITT/F.NO.011,13 &17/HEFA/2019-20/IT/CSG dated 02.3.2022

The online pre-bid meeting for the Tender No NITT/F.NO.011,13 &17/HEFA/2019-20/IT/CSG was held on 11-03-2022 from 03:00 pm to 04:00 pm through Webex Platform. The following members attended the meeting.

1) Dr.M.Bhaskar, HOD, CSG
2) Dr.Prasanna Venkatesan, Deputy Registrar, S&P
3) Shri.K.Pradeep, Senior Technical Officer, CSG
4) Shri G.Girish Kumar, Senior Technical Officer, CSG
5) Dr. S.Krishnan, Consultant, S&P
6) Shri.Karthick Raja. Technical Officer, CSG
7) Shri Sembian, Technical Assistant, CSG
8) Shri Ragul Venkatesh,Technician, CSG

Shri G.Girish Kumar, Senior Technical officer CSG welcomed everyone to the meeting.

A total of 36 representatives from the below mentioned vendor/OEM attended the meeting
1. Extreme Networks
2. Aruba Networks
3. Seamless Communication Systems
4. Inspira Emterprise India Ltd
5. HTL Limited
6. Zyxel Technology India Pvt Ltd
7. Futurenet Technologies India Private Limited
8. NetGear
9. HFCL
10. Networks Limited
11. Airpro
12. Allied Telesis
13. Integrated Techonologies
14. Webcom Technologies
15. Microtech Networking solutions Pvt. Ltd
16. Hewlett Packard

The representatives were asked to send their queries and suggestions through email upto 12-3-2022.
Emails were received from the representatives of the following OEM/suppliers.
Inspira Enterprise
Allied Telesis
Futurenet
Networks-IN
Aruba
Extreme Network
Intech
Cisco
NetGear
InfoSurabhi

The following are the queries raised by the bidders through meeting/email and the replies by NITT are as follows:

1. Request to lower the 4X4 MIMO value as ISP bandwidth of NITT is less .
  The tender is for LAN infrastructure for entire hostel and selected institute zone .The network design is for accessing internet traffic and the LAN content in NITT.Hence the request is rejected.

2. Request to include Make in India Preference clause in the tender document by an OEM and the . request to exclude Make in india Preference clause in the tender document by other OEM's
    Preference to Make in India will be implemented

3. Request to exclude SNMP Protocol in active devices.
    Request is rejected

4. Request to exclude the point Realtime monitoring and historical reporting in controller and add the point in NMS Specifications.
      Realtime monitoring and historical reporting of devices can be shown either in Controller or NMS.But controller health details have to be shown in the controller itself..

5. Request to include certifications in Wireless Access Points.
    Certification is already mentioned in the technical specifications

6. Request to change power supply unit to 720 W in Layer 2 Switch.
    PoE Power in Layer 2 switch is 720W and each power supply unit power is 870W.No changes

7. Request to remove ARP Spoofing Detection and Man in the Middle Attack Prevention method in the Access Point technical specification.
    The Access Point should have the facility .The functionality can be demonstrated by integrating with the wireless controller.

8. Request to include the point "all the specifications and features have to be included from day one "
    All the features with the required licenses have to be included from day one of the installation.This will be verified during acceptance testing.

9. Request to change the license quoted from perpetual to perpetual/subscription.
    All the license quoted should be perpetual.No changes

In NMS, all the license quoted shall be perpetual/subscription.But all the features available at the time of expiration of license should continue to work. Renewal of licenses should be required only for new features and updates/releases announced by the OEM after the contract expires.

10. Query regarding AMC charges in the BOQ and the point regarding with the rate contract in the terms and conditions.

AMC not required.
The successful bidder shall offer Indoor Wireless Access point at rate contract for one year at the same price as quoted. The rate contract period shall start after the commissioning of the project. The total Access points can be around 100 or more which may be purchased during the rate contract.

11. Request to change the operating temperature from 0-45 degree Celsius to 0-50 degree Celsius in POE switches.

No Changes.
The performance of the switches will be evaluated during the POC/demonstration and if any failure found during the POC/demonstration, the product will be technically disqualified.

12. Request to exempt single dashboard feature in NMS.

Accepted.But the features should not be skipped.Some of the feature specified in NMS can also be shown in the controller.Some specific features should either be present in the controller or NMS.

13. Request to change the delivery period mentioned in the tender document.

No changes.But the bidders can mention the delivery period in the tender document specified under the schedule of requirements.

14. Request to change the specs of the socket ampere in the wall mount rack.

Accepted.Five number of 5/15 Amp Socket should be available in the wall mount rack.

15. Request to change the Line Interactive UPS battery warranty period as the battery warranty is available only for 2 years.

Accepted.The Line Interactive UPS should have 5 years of warranty excluding the battery.The battery should have 2 years of warranty period.

16. Query whether NITT will provide the DSIR certificate.

Yes.NITT will provide the DSIR certificate and essentiality certificate for 5 % GST.

17. Query whether Fiber LIU will be provided by NITT or the bidder.

NITT will provide the fiber connectivity along with fiber LIU upto the rack.

17. Query: NITT have asked for 90 UPS, if one rack has more than one switch. How it will be distributed?.

The total number of POE switches has been arrived such that there will be one switch per floor in a hostel.It is upto the scope of the bidder regarding the implementation.

18. Query regarding additional clamping for wireless access points.

The wireless Access Point should have secure bracket for Ceiling or wall mount ,locking mechanism and mounting kit. In addition to this the wireless access point should be secured with proper base clamping to the roof/wall as the case may be.

19. Query regarding evaluation for passive components as other bidders may quote low value.

The bidders have to visit the site and arrive at the quantity for the passive components needed.The passive components mentioned in the tender documents has to be provided.The committee will study the price quoted for each BOQ line item during price bid evaluation.

20. Query regarding POC demonstration in one full hostel building.
No changes.The bidder has to do POC/demonstration in one full hostel building with the total number of items mentioned against the hostel.

21. Query: POC needs to be done before technical evolution or after technical evolution?
NITT will first check for the technical specification in the document, whoever qualifies will be invited for the POC demo and presentation.

22. Query regarding advance payment for delivery,installation.
No changes.

23. Query: For on-site engineered, you mentioned central wages act. Can you give some elaboration on that? because there are different categories like A, B, C?
Tiruchirappalli comes under B region.The onsite Engineers comes under Highly skilled section and the worker comes under the Unskilled section.Please refer to Ministry of Labour and Employment order No 1/26(3)/2021-LS-II regarding wages and VDA.You have to provide basic wages + VDA and other applicable components like EPF,ESIC as applicable.The bidder has to provide the wage component as specified by the Ministry of Labour and Employment in their latest order if the wages/VDA is amended by the Ministry during the contract period.

24. Query: whether the passive cat 6 UTP cabling from rack to access point on institute zone is also under bidder scope? If cat6 UTP cabling is under bidder scope, we have to arrive the quantity for the cat6 UTP cables, back box, I/O modules, Face plate, cat6 Patch cable and PVC conduit.
Yes.The maximum length of the UTP cable from access point to rack is already mentioned in the document.The passive components needed to connect from the access point to the rack is also mentioned in the document.It applies to both the institute zone and hostel zone.

25. Query.Whether the bid should include Customs duty, GST and applicable taxes or the bid should be for a value excluding Customs duty and applicable taxes. 2. Whether any exemption is available from Customs Duty for NIT. If yes, please share details regarding the same.
The pricebid excel sheet has base price component , tax component and freight and other miscellaneous charges.Those columns will be used for price comparision and evaluation.

26.Query. Whether GST concession is available for products supplied for Hostel zone ? As per our understanding such concessional rate is only applicable for goods used for research purposes.
This is a turnkey project and the total infrastructure will also be used for research/study/analysis purposes.

27.Query.Request to change the RAM size of 8GB in Core Switch.
No Changes.If alternate flash memory is available as virtual memory ,justification with proof has to be given in brochure.

28.Query.It is mentioned that the Access point should support dc power and POE.It should be dc power or POE power.
The access point when connected to POE port should work with POE power and when connected to dc socket, it has to work with dc power.

29.Query. Wireless will be managed by wireless Nsight NMS and Switching will be managed by XIQ NMS.There will be two separate Dashboard for viewing.
   The NMS should have the functionality for viewing.

30.Query. If the free ports are lesser than the requirement, Do we need to provision an additional PoE Switch to fullfill the requirement, Request to clarify?
   Yes with UPS power also.

31.Query. At least 4 x 10 Gb slot with SFP+ single mode fiber transceivers for Uplink. The SFP+ module should be of the same make of the switch. Our understanding is that Each POE Access Switch should be populated with 10G Single Mode Trancivers. i.e. Every Switch should be supplied with 4 SFP+ tranceivers.
   Yes

32.Query.The 40GB transceiver Should work with Extreme Network Black Diamond X8 Series switch. The Core Switch is having the same requirement in Page No. 39 - Interface. Is it meant for the same or it will be an additional requirement
   The 40GB transceiver will be connected to Extreme Network Black Diamond X8 Series switch from the core switch.

33.Query.Whose scope is the supply of fiber LIU
   NITT will supply the fiber LIU.

34.Query. Should support 2K VLANS simultaneously.Whether it is 2K VLANS or active VLANS?
   It can be 2K VLANs or 2000 active VLAN's.

35.Query.WLAN solution should be considered for cloud solution.
   No.Not Accepted.

After the pre-bid meeting, the technical specifications are reviewed once again and the following changes are suggested by the purchase committee in the Specifications:

   (a) The Terms and Conditions and Penalty clause for the service of onsite service engineers and worker is given below:

1)The bidder should provide four onsite support Engineers and an unskilled person for onsite service support initially for a period of one year from the date of commissioning the project.

2) The Educational qualification of support engineer should be B.E / B Tech / MCA / M Sc in branches related to EEE, ECE, CSE, ICE, IT or Diploma in EE, EC, CS, IT. For all the posts, persons who have worked in NIT Tiruchirappalli will be preferred.The service Engineers and the worker shall be approved from CSG unit regarding their skill and technical capability.

3) No specific educational qualifications for unskilled worker

4) The onsite Engineer and the worker should work from Monday to Saturday from 9 A.M to 5.30 P.M. However, they have to work on holidays, if necessary and required based on demand of work .The onsite Engineers and the worker should be trained by the bidder before deploying them in the work.The service Engineer and the worker shall be entitled to 8 days casual leave

per year. Beyond specified leaves as applicable, leave will be treated as leave without pay (LWP) for which necessary deduction will be made in the Bank Guarantee if no replacement is provided.

5) The onsite Engineer and the worker should visit the site/location where the problem is reported, then troubleshoot & identify the problem, clear the problem and replace the faulty part if needed. The onsite Engineers should be able to monitor,configure,troubleshoot all the active devices and software which are procured in this turnkey project. The unskilled person should do the rigger activities, attend cable fault, and all the other physical activities.(The duties mentioned here are illustrative and not exhaustive).

6) The complaints will be communicated to service engineers through portal,through students, through staff and their mobile numbers.

7)If the Authentication system fails from NITT side, the service engineers should provide the service without the authentication system until it is restored.

8) They should carry out the preventive maintenance work.They should inform NITT CSG unit for any updation of software/patches/modules etc.

9) The payment for the onsite Engineers(Highly Skilled) and the unskilled person which should be paid by the vendor shall be on par with Central Government wages Act. Minimum daily salary should be as per Ministry of Labour & Employment, Office of the Chief Labour Commissioner, New Delhi vide File F.No 1/26(3)/2021-LS-II dt.28-10-2021

10) The bidder shall submit the details of amount deposited on account of EPF and ESI every month. The bidder shall submit to NITT, the list of EPF Account numbers of the manpower, copy of annual EPF slip, copy of ESIC card. The details of submission of EPF and ESIC contribution to the concerned authorities by the bidder shall be submitted on every month to the office of CSG.

11) The bidder shall exercise adequate supervision to reasonably ensure proper performance of Service Engineer and the worker .

12) The bidder shall also abide by and comply with the Labour laws, Workmen Compensation Act, EPF Laws, ESIC Laws, Income tax laws and Minimum Wages Laws, Contract Labour (Regulations Abolition Act) or any other law in force.

13) The bidder shall submit a copy of wages sheet at the end of every month showing monthly wages paid to its personnel.

14) Consequent to poor performance of deployed manpower, the bidder shall immediately replace the Service Engineer/worker thereby maintaining service levels and continuity.

15) NITT shall have the right, within reason, to have any personnel removed who is considered to be undesirable with proper reasoning or otherwise and similarly the bidder reserves the right to remove any personnel with prior intimation to the CSG unit , emergencies, exempted.

16) The attendance of the Service Engineer/worker will be entered in the register provided by the CSG unit in the Office. The persons deployed should be polite, cordial and efficient while handling the assigned work and their actions should promote good will and enhance the image of the Institute. The bidder shall be responsible for any act of indiscipline on the part of the persons deployed.

17) For all intents and purposes, the bidder shall be the "Employer" within the meaning of different Rules & Acts in respect of manpower so deployed. The persons deployed by the bidder shall not have any claim whatsoever like employer and employee relationship against NITT.

18)NIT Tiruchirappalli shall not be responsible for any financial loss or any injury to any person deployed by the bidder in the course of their performing the functions/duties, or for payment towards any compensation.

19) In case of any changes in the minimum wages as per the Applicable Laws during the Contract period, the bidder shall pay the Service Engineers and worker the difference in wage .

20)The monthly salary component should include Basic Wages,VDA as mandatory component and PF and ESI wherever applicable.

21)At present, the basic wages+VDA for highly skilled person is Rs. 795 for Area B (Tiruchirappalli) and for unskilled worker is Rs. 546.This is as per the order F.No 1/26(3)/2021-LS-II ,dated 28-10-2021 issued by the Ministry of Labour & Employment.

22) Penalty imposed will be deducted from the bank Guarantee submitted as Performance Security.

Penalty Clause

1) If the service engineers and the skilled worker do not report to duty without intimation and proper approval , Rs 1000 per day for each service Engineer , and Rs 750 per day for worker will be charged as penalty from the Bank Guarantee submitted by the bidder.
2) For Non-deployment of total manpower mentioned in the contract as per the date of joining, a penalty of 1% of the Bank Guarantee per day shall be charged.
3) For the point number 14 mentioned in the terms and condition, a delay in providing the fresh manpower will be charged a penalty of Rs 1000 per day from the bank Guarantee.The bidder should provide fresh manpower within 15 days from the receive of email from NITT.
4) For the point number 5 mentioned in the terms and condition,non compliance and unsatisfactory work will be charged a penalty of Rs 1000 per day for service Engineer and 750 per day for the worker.The penalty will be deducted from the bank guarantee

(b) Preference to Make in India

 Only 'Class-I local supplier' and 'Class-II local supplier', as defined in the Public Procurement (Preference to Make in India), Order 2017 shall be eligible to bid in tender. For more details please refer: Order No.: P-45021/2/2017-PP (BE-II), DPIIT,Ministry of Commerce and Industry issued Dated: 16th Sept. 2020.Self-certificate has to be provided in this regard that the item offered meets the local content requirement for 'Class-I local supplier' & 'Class-II local supplier'. (As per annexure-V).If technical bid found without the required self certificate for local content (Annexure-IV), then the bid shall be rejected outrightly.

Class -I Local Supplier:The bidder who has quoted items with local contant equal to or more than 50%
Class -II Local Supplier:The bidder who has quoted items with local contant more than 20 % but less than 50%
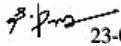The margin of purchase preference shall be 20%

(c) For Network management Software, all the license quoted shall be perpetual/subscription.But all the features available at the time of expiration of license should continue to work. Renewal of licenses should be required only for new features and updates/releases announced by the OEM after the contract expires

(d) For Wall Mount rack, five number of 5/15 Amp Socket should be available .

(e) The Line Interactive UPS should have 5 years of warranty excluding the battery.The battery should have 2 years of warranty period.

The last date for the submission of bids:11-04-2022 3.PM
The Date of Opening of bids   :11-04-2022 5.PM

		Name	Signature
1.	HoD, Chairman	Dr. M. Bhaskar, HoD, CSG	
2.	Director Nominee	Dr.G.Lakshmi Narayanan, Professor,ECE	
3.	Initiating Officer, Convener	Shri.G.Girish Kumar, Sr.Technical Officer	
4.	Department Officer	Shri K.Pradeep, Sr.Technical Officer	
5.	Department Officer	Shri.T.Karthick Raja, Technical Officer	
6.	Department Faculty	Dr.B.Rebekka, Asst Professor,ECE	
7.	Deputy Registrar (Finance and Accounts)	Shri.R.Karthikeyan, Asst.Registrar(A/C)	Mr.R.Karthikeyan . Assistant Registrar Accounts 23.03.2022
8.	Deputy Registrar (S & P)	Dr. S. Prasanna Venkatesan, Deputy Registrar (S&P) i/c	23-03-22