

## **Proceedings of Pre-bid Meeting for Procurement of Software and Hardware**

The tender pre-bid meeting was held on 15.12.2014 at the Directorate of Extension Education, TNAU, Coimbatore for procurement of various software and hardware for implementation of NADP Project on “Invigorating Extension through ICT Tools”, as per the tender notification called by this directorate on 3<sup>rd</sup> December 2014.

On behalf of the tender technical committee Prof. R.Venkatachalam, ICT Coordinator, TNAU explained the updates in a few tender technical specifications, tender mandatory requirements and qualification criteria, tender wise. Tender wise issues were discussed and suitable solutions provided hereunder;

**Issues and Clarifications of Tender Technical Specification for Tender 1:** Enabling and converting the content (crop doctor, Expert System, Decision support system) into web enabled platform & **Tender 2:** Enabling and checking the compatibility with android mobile platform and touch tablets:

### **Number of firms participated: Six firms**

1. M.Vairamudi, SSTECH, 10, VSA Vaniga Valagam @ 15<sup>th</sup> floor, Omalur main Road, Salem – 636 004
2. M.Mohanraj, Sennovate Infotech, 2/63, siviyanagur 11<sup>th</sup> cross, Salem -16
3. S.Ganesh Babu, Keyslab software India Pvt. Ltd., ‘SRISAI’ site no.2, Bhagath Singh Road No.3, Velandipalayam, Coimbatore – 641 025
4. R.Elangovan, Evergreen Systems, 3. Welder street, Annasalai, Chennai – 2
5. S. Ashok, Init System, 2<sup>nd</sup> floor Asoka plaza, 483, Dr.Nanjappa Road, Gandhipuram Coimbatore -18
6. J.Raajesh, Quickheal Technologies, 111, Rithual Complex, Tank Road, Sivanandha colony, Coimbatore – 12

### **General Remarks:**

- a. Perpetual license must be provided wherever possible and if it's a subscription, it should be for three years. Warranty and support should be for three years.

#### **b. Section VI-A: Qualification Criteria**

Item a) should read as follows:

The bidder, OEM or the Software developer, designer, dealer, Videoconference service provider, IT Service Provider whose product is offered by the Authorized Representative must have developed, designed or supplied similar item specified in the Schedule of Requirements at least 30 per cent of the tender value in any one of the last three calendar years and should be satisfactorily functioning with no adverse report for the last two years on the date of bid opening.

**Issue 1:** What is the minimum experience for the bidders?

Should have minimum of 3 years experience in the of IT field, as already indicated in the Schedule of Requirements.

**Issue 2:** Streaming as well as playback protocol required Streaming Server?

Streaming platform: Linux Client platforms: Linux, Windows, Mac for Desktops & Android / iOS for Tablets / Smartphone.

**Issue 3:** Can we provide the tools/software developed by others?

It was clarified that the software must be provided by OEM or Authorized Representative with proper documents as outlined in the tender form Section XII.

**Issue 4:** Is there any specified antivirus to be provided?

It was clarified that the best possible antivirus to be provided while supplying the software.

**Issue 5:** What are the further requirements of Mobile Development(Tender 2)?

It was clarified that, full installation version for Android Development Kit (SDK) for Windows and MAC must be provided for mobile development.

## **Issues and Clarifications for Tender 3: Cloud hosting of Entire Knowledge Repository**

### **Number of firms participated: Eight firms**

1. M.Vairamudi, SSTECH, 10, VSA Vaniga Valagam @ 15<sup>th</sup> floor, Omalur main Road, Salem – 636 004
2. M.Mohanraj, Sennovate Infotech, 2/63, siviyanagur 11<sup>th</sup> cross, Salem -16
3. S.Ganesh Babu, Keyslab software India Pvt. Ltd., 'SRISAI' site no.2, Bhagath Singh Road No.3, Velandipalayam, Coimbatore – 641 025
4. R.Elangovan, Evergreen Systems, 3. Welder street, Annasalai, Chennai – 2
5. R.Sureshkanna, Netcon Technologies India Pvt. Ltd, Near Kurunchi Hospital, Avinashi Road, Coimbatore
6. D.Srijith, ABT Info.Net, 180 Race course Road, Coimbatore – 641 018
7. S.Ashok, Init System, 2<sup>nd</sup> floor Asoka plaza, 483, Dr.Nanjappa Road, Gandhipuram, Coimbatore -18
8. U.Saran Karthi, Accel frontline Ltd., Flat No.G2, Narayana guru Road, Saibaba Colony, Coimbatore

### **Issue 1: What is the tender schedule requirement?**

The tender schedule requirement is 30% of the tender value.

#### **a. Section VI-A: Qualification Criteria**

Item a) should read as follows:

The bidder, OEM or the Cloud service provider, IT Service Provider whose product is offered by the Authorized Representative must have developed, designed or supplied similar item specified in the Schedule of Requirements at least 30 per cent of the tender value in any one of the last three calendar years and should be satisfactorily functioning with no adverse report for the last two years on the date of bid opening.

### **Issue 2: What are all the cloud hosting requirements?**

It was clarified that it can be hosted and maintained for minimum 3 years in Compute Cloud in India or Asia-Pacific region – Singapore / Hong Kong

### **Issue 3: Is near line backup required?**

It was clarified that it is not required. Backup is required in the Disk to be supplied by the Department.

### **Issue4 : Whether local backup is required for cloud data, in/out?**

Yes, it was clarified that the backup should be given in the provided disk.

### **Issue 5: Is 100GB Disk SSD sufficient for streaming server?**

It was clarified that it is sufficient. However, sufficient CDN Bandwidth should be available to support HD streaming to 1000 clients or more.

**Issue 6:** Can we submit e-tender (or) online tender?

It was clarified that there is no e-tender / online submission of bids as per the TNAU norms.

**Issue 7:** Updates to specifications

One static public IP should be provided for each server and all servers should be dynamically scalable up and down without destruction of data.



**Issues and Clarification for Tender 4:** Upgrading Video conferencing to connect 1482 android tablets and 59 centres of TNAU & **Tender 5:** Conversion of Video conference into the web enabled android platform

**Number of firms participated: Thirteen firms**

1. S.Ganesh Babu, Keyslab software India Pvt. Ltd., 'SRISAI' site no.2  
Bhagath Singh Road No.3, Velandipalayam, Coimbatore – 641 025
2. R.Elangovan, Evergreen Systems, 3. Welder street, Annasalai, Chennai – 2
3. R.Suresh kanna, Netcon Technologies India Pvt. Ltd, Near Kurunchi Hospital,  
Avinashi Road, Coimbatore
4. S.Saravanakumar, A&T Video Net Works, Madurai
5. S.Vinothkumar, Vodafone, 1024, Avinashi Road, Coimbatore
6. R.M.Venkatesan, ABT info.Net, 180, Race course Road, Coimbatore – 18
7. P.Karthikeyan, 1-Grandee Software Tech, No.12, Veerapadra pillai Compound,  
Villapuram, Madurai – 12
8. Antony, Avaya India Pvt. Ltd, No.148, R.K.Salai, Mylapore, Chennai – 4
9. R.Murugan, SEC communications Pvt. Ltd., Old No.37, New No.63, 3<sup>rd</sup> floor,  
Arcot Road, Kodambakkam, Chennai – 4
10. Deepak, Avaya India Pvt. Ltd., Level 3, Nitesh Broadway  
M.G.Road, No.9/3, Bangalore
11. K. Senthamil, Image Com Presentation Pvt LTD, Sivanandha Colony, Coimbatore- 641  
012
12. S.Jevdal, Reoplink, Chennai
13. V.Chaitanya, Airtel Business, Jayant Tech Park, Nandapakkam, Chennai -89

**Issue 1:** What is the tender schedule requirement?

The tender schedule requirement is 30% of the tender value.

a. Section VI-A: **Qualification Criteria**

Item a) should read as follows:

The bidder or the Video conference equipment service provider whose product is offered by OEM or the Authorized Representative must have developed, designed or supplied similar item specified in the Schedule of Requirements at least 30 per cent of the tender value in any one of the last three calendar years and should be satisfactorily functioning with no adverse report for the last two years on the date of bid opening.

**Issue 2:** What is the specification note for multi point video conferencing unit?

As per the Schedule of requirements with one exception, that ... 50 Full HD ports up to 1440p 60 is preferred but not mandatory.

**Issue 3:** Do we require Unicode font and Tamil language for all applications?

It was clarified that Tamil Unicode font is must & support the Tamil language

**Issue 4:** Am I disqualified, if I don't provide Arial Unicode font?

It was clarified that the bidders will be disqualified if they don't provide the above mentioned specification.

**Issue 5:** Whether demonstration must be given for HD web camera and Table talk mike?

It was clarified that the complete set to be provided by the bidder at the time of demonstration.

**Issue 6:** Out of 3 bidders, 2 bidders have qualified for the tender, whom will you select finally as Tender (4) & Tender (5) are related.

It was clarified that one bidder will be selected based on the tender norms.

**Issue 7:** How can we assess the performance of mobile usage at field level?

It clarified that the performance will be clarified at the time of demonstration.

**Issue 8:** How many mobile client licenses are to be provided?

It was clarified that minimum 2000 client licenses should be provided for supporting mobile platform with 40 concurrent licenses to connect the MCU.

**Issue 9:** Whether back to back support is necessary?


It was clarified that 3 years warranty and support is necessary, as outlined in the tender documents.

**Issue 10:** Tender (5)- No.DEE/e-Extension/NADP/ Invigorating ICT Tools/Tender-5/2014, dt:03.12.2014 **should be quoted with compatible MCU quoted in Tender (4)- No.DEE/e-Extension/NADP/ Invigorating ICT Tools/Tender-4/2014, dt:03.12.2014.**

Finally for all the tenders, warranty and support for all the tenders (Tender1-5) are three years for all products and if it is a software subscription it should be for three years.

  
15/12/14  
**ICT Coordinator**

  
15/12/14  
**PROFESSOR AND HEAD**  
Training Division  
Directorate of Extension Education  
Tamil Nadu Agricultural University  
Coimbatore - 641 003.

  
15/12/14  
**Director of Extension Education &  
Chairman of Technical Committee**  
**Director of Extension Education**  
Tamil Nadu Agricultural University  
COIMBATORE - 641 003.

Section VI- Technical Specification for procurement of **Conversion of video conference in to the web enabled Android platform: Desktop / Laptop / Mobile - Android and iOS client based Videoconferencing.**

**Conversion of video conference into web enabled Android platform.**

**Specifications:**

- **Videoconference client should work in Android platform - in 1482 tablet touch screen systems available- to Join and Host Meetings**
- **Videoconference client should have CPU load consumption of 60% or less in the Android Tablets**
- Web/GUI based management access to help the user to manage the conferences.
- Mobile client licenses – Minimum 2000 client licenses/downloads should be provided for support to mobile platform with 40 concurrent licenses to connect to the MCU.
- Mobile client should work in Android as well as iOS tablets and full Conference functionality with both WiFi and 3G/4G connection.
- The mobile client should be downloadable from central server.
- The Mobile client should be able to display the presentation/ data sharing shared by remote sites and should have application for use of mobile/tablet as whiteboard.
- The mobile client should be able to share presentations, desktop display or documents /application sharing to the participants in the Video Call at modes up to 720p.
- The mobile client should be able to support continuous presence (CP) and Voice activated (VA) mode selectable by the users.
- The Mobile client should use least CPU resources: less than 50% CPU load in full screen HD video and or presentation.
- Should support PIN protected conferences.
- Mobile client should have ability to handle packet loss minimum 10% or higher to deliver consistent quality to users.
- Should be able to control far end camera.
- Should support AES 128 bit encryption, NAT/firewall traversal and global directory enable at the Mobile.
- The mobile client should be able to run on latest iOS and Android OS.
- All applications and meetings should support the Unicode font and Tamil language.

**Essential Requirement**

It should work with MCU quoted as per the tender ref. No.DEE/e-Extension/NADP/Invigorating ICT Tools/Tender-4/2014, dt:03.12.2014.

**Mandatory Requirements**

1. Should be in the field of IT and IT enabled services and should have a minimum of three years experience in such service

2. Should have proven experience in
  - a. Video conferencing
3. The entire project should be carried out by the tendering company
4. Compliance statement for the mandatory technical specification has to be provided in a separate document, properly signed by the authorized person with date and seal.
5. Detailed design and implementation documents should be submitted along with the tender documents.
6. Partial / incomplete offer will be disqualified
7. **Demo of Technical Capabilities for the scope of Tender:** The project's mandate has to be demonstrated within the date specified after the tenders are technically evaluated. Date and time, features to be demonstrated are to be fixed by Technical Committee after the tenders are technically evaluated.
8. **Warranty and Support:** Three years for all products and if it's a software subscriptions it should be for three years.



## **SECTION VI-A: QUALIFICATION CRITERIA**

### **(Referred to in Clause 12.2 of ITB)**

- a) The bidder or the Video conference equipment service provider whose product is offered by OEM or the Authorized Representative must have developed, designed or supplied similar item specified in the Schedule of Requirements at least 30 per cent of the tender value in any one of the last three calendar years and should be satisfactorily functioning with no adverse report for the last two years on the date of bid opening.
- b) The bidder should furnish the information on past supplies and satisfactory performance in the Proforma given under Section - XI.
- c) Bidders shall invariably furnish documentary evidence (Client's Certificate) in support of the satisfactory operation of the Video conference as specified above.
- d) The Bidder shall furnish data to support that he has the financial and production capacity to perform the contract and complete the supplies within the stipulated delivery period.