

**OFFICE OF THE REGISTRAR:: DIBRUGARH UNIVERSITY
DIBRUGARH :: ASSAM**

PIN: 786 004



BID DOCUMENT

FOR

NAME OF THE WORK:

Supply, Installation and Commissioning of Digital Language Laboratory at Centre for Studies in Language (Bodo Department), Dibrugarh University

TENDER No: DU/NIT-2020/26

CUT-OUT SLIP

NAME OF THE WORK: Supply, Installation and Commissioning of Digital Language Laboratory at Centre for Studies in Language (Bodo Department), Dibrugarh University

TENDER NO. : DU/NIT-2020/26

Date: 12/02/2020

SUBMISSION DUE DATE & TIME : 05/03/2020 upto 01:00 P.M.

FROM:

TO:

NAME:

THE REGISTRAR

ADDRESS

DIBRUGARH UNIVERSITY

DIBRUGARH, ASSAM

(To be pasted on the outer envelope containing “Technical”& “Commercial” bids)



OFFICE OF THE REGISTRAR:: DIBRUGARH UNIVERSITY :: DIBRUGARH

No. DU/NIT-2020/26

Date: 12/02/2020

Tender Notice

Sealed Tenders are invited from reputed manufactures/authorized dealers/suppliers for Supply, Installation and Commissioning of Digital Language Laboratory at Centre for Studies In Language, Dibrugarh University. Detailed specification of the items, terms & conditions etc are given below. Last date of submission of Tender as per annexure with all relevant papers is 05/03/2020 to be submitted at Registrar's Office, Dibrugarh University, Dibrugarh, Assam.

Availability of Bid papers	From 12/02/2020
Last date for receipt of Bid	05/03/2020 upto 01:00 P.M.
Time & Date of opening of Bid	05/03/2020 at 02:30 P.M.
Place of opening of Bid	Office of the Registrar, DU
Cost of Document	1,000/- Non refundable
EMD	2 % of the Tender Value

The tender should be submitted in two separate sealed envelopes *i.e.* **Part - I TECHNICAL BID** and **Part – II FINANCIAL BID**. The technical bid shall be opened on above mentioned date and time and the financial bid of only those bidders who qualify in technical bid shall be opened on the same date or at a later date which shall be intimated to the tenderer whose technical bid are found to be valid. Dibrugarh University reserves all the rights to reject any or all the tenders without assigning any reason thereof.

Sd/-
Registrar
Dibrugarh University

Copy to:

1. Dibrugarh University Website
2. Notice Board
3. Office File

Sd/-
Registrar
Dibrugarh University

General Terms & Conditions for Bidders:

1. Bidders should submit a signed copy of the detailed tender document along with the Bid
2. The bidders should submit a tender fee of Rs 1,000/- in the form of D.D. drawn in favour of the Registrar, Dibrugarh University
3. EMD of 2% of the Total tender Value should be submitted in the form of D.D. or Bank Guarantee drawn in favour of the Registrar, D.U. along with the Bid.
4. The agency must be OEM/Authorized Dealer
5. If the bidder is not OEM, OEM authorization to be provided
6. The bidder should have physical office in Guwahati or Assam (necessary proofs to be submitted in support of this) for better service and support to Dibrugarh University
7. The Bidders should ensure to the compliance of the specifications requested.
8. Any deviation on specifications during the supply and installation of the item would result in the cancellation of the work order.
9. Price Bid will be considered only after qualifying the technical bid.
10. The bidder should provide training to concerned officials
11. Specifications, Brochure and other details to be submitted with Technical Bid
12. The software should be ISO certified with more 4000 clients across the country
13. The bidder must have previous experience of supplying/ providing such software to academic Institutes/Engineering Colleges including IIT, NIT's etc. Customer List of the item to be provided.
14. GST Registration details to be provided
15. TDS Certificate to be provided
16. PAN Of the Company to be provided
17. The software should be present in atleast 100 premier institutes of North East
18. Compliance Statement to be attached.
19. All details as per terms & Conditions and other particulars respect to tender are to be provided along with Technical Bid (in Envelop-I) and only Price Bid Quotation along with Price Bid (in Envelop-II)
20. D.U. reserves the right to disqualify the bidder if the requested documents are not provided to the satisfaction of D.U.
21. The final price should be including the delivery, installation & Training to D.U officials
22. 10% Security Deposit shall be deducted from the final bill of the vendor to whom the work would be allotted. The deducted amount would be released after 01 (one) year from the completion of work.
23. The bidder must quote their price for 20 users, 25 users & 40 users language Lab in separate sheets
24. Dibrugarh University reserves the right to modify/cancel the requirements with prior notification.

Annexure I

Technical Specifications for Digital Language Laboratory

A. Complete System:

• Data acquisition module	• Microphone	• Adapter & accessories
• Audio interface card	• Headphone	• Language Lab Application Software
• Stereo (50 Watts atleast)	• Connection cables	• Manual and instructions

B. Language lab Software:

1. Self Pacing - The students should be able to work through the lesson at their own pace and ability
2. Developing Listening skills – listening skills are an essential element to become linguistically fluent. Students should be able to develop good listening skills that aid the process of communication and pronunciation.
3. Native Speaker / Different Voices – The software should provide students with various model voices rather than only the teacher, allowing the native speaker to converse, hear and repeat as the model voices.
4. Reading / Recording Comparing – Should have the ability to read , repeat and record their own voices in audio and video format, each students should be able to work on his or her own interactive assignments or materials
5. Writing (Typing) – Students Should have the provision to write the text which they read
6. The software should have the materials for language proficiency from graduate, post graduate and professional courses and studies, which should help them to improve language/communication skills and find a better place in the job scenario
7. Instructor Console – The software should provide with control functions to monitors students activities and assignments individually and in a group, teacher should able to give assignments, time sessions, view, record, repeat, text, give results and home-works through the instructor console
8. Student Console – Should be able to download te lesson from teacher console, they can listen the lesson and pronunciation, see video clippings, read and repeat the text and class assignments
9. Recorder – this feature should enable the instructor to record lessons with video in their own sound, text can by typed and saved. The recorded lesson can be transmitted to students and replay later.
10. Software should have **Bodo & Assamese** study materials included along with standard English platform and other foreign languages.
11. The teacher should be able to create and assign homework to students. The students should be able to download these files and work at their convenience and upload to teacher when completed.

12. Should Support Computerized Speech Program including Acquisition, Playback, Editing & Analysis, Sonogram, Pitch Intensity, Digital Filtering Graph, Transcription
13. Should Support Phonetics Programs like multi dimensional Voice Program, Real time Speech, pitch, Spectrogram, Auditory Feedback, Motor Speech, Phonetic Database, Phonetic simulation, Speech Articulation
14. Should Support multi speech and foreign languages
15. Should be able to develop High quality listening skills, native speaker, reading, recording, Comparing, Writing, Typing.
16. Instructor Console: to be provided to function, monitor, control all Students where the students can be give separate activities/ lessons and have the unique ability to listen to them individually, also can assign session timings.
17. Student Console: This feature enable students to take lessons, pronunciations, Video clippings, Text, repeat, record, replay and submit to teacher
18. Recorder should be available to record speech with video, sound, text of their own and repeat and replay later throughout the year
19. The software should be able to conduct paperless exam, multiple choice and essay type.
20. The teacher should be able to set a student as model for the whole class and other students in the class should be able to view, listen and talk with the model student.
21. The teacher should be able to group students temporarily so that the students can communicate with each other by using text chat facility, audio message and video talks.
22. The teacher should be able to create their own audio/video lessons and enable to assign the pre-recorded lesson for future dates.
23. The teacher should be able to upload PDF files (e-books) for the students to read and able to provide writing assignments to the students.
24. The teacher should be able to plug or insert any external device (USB, CD/DVD) and to play or use the files.
25. The teacher should be able to select video from a variety of sources such as a TV/DVD player, satellite receivers and play that video directly to the students' desktops.
26. The teacher should be able to pair or group students for debates for group discussions and observe/control them selectively, by groups. The students should be able to discuss with their group members with the permission of the teacher.
27. The teacher should be able to conduct live language classes and the system should be able to record the feedback of all the students simultaneously.
28. The teacher should be able to view the assignments submitted by the students and respond to the students with the feedback.
29. The teacher should be able to group the students and then assign topics to them for discussion which should be recorded with downloadable file of the recordings.
30. Software should be of life time perpetual license, integrated with extensive study material of multimedia media files of text, audio, video in English with option in

UK, US and Neutral accents and along with basic language learning material in French, Spanish, German, Italian, Greek, Portuguese, Chinese and Arabic.

31. The software should work on computers, connected with LAN network.
32. Software should be able to automatically generate graphical representation on the recorded audio of the learner as against the originals for self-assessment and evaluation.
33. The software should be with one year onsite warranty and should include delivery, onsite installation, onsite trainings and 24/7 online support services.
34. The manufacturer must have installed software in at least 3000 institutes across India and 200 institutes in North-East India.
35. The manufacturer must have the experience and expertise in undertaking major projects of installing the similar brand software with government organizations with multiple locations in India and abroad.
36. System should provide graphical representation of the voice comparison. 2 graphs should show the recorded file graph & system file graph.
37. Teacher should be able, to login from any system.
38. Teacher should be able to control all the system, from the Teacher Console.
39. The teacher should be able to send any audio & text based content stored in the Teacher Workstation, to intend Student Console. (To entire class/ group of students/ particular student)
40. The software should enable audio-visual interaction between the teacher/ instructor and students through headsets with built-in microphone & webcam.
41. The teacher, should be able to view students screen in an incognito mode (without the knowledge of the students)
42. The software should support Linux/ Cloud server/ Thin client user.
43. 7000+ Hours of learning materials should contain Audio / Video & Text contents.
44. Learning material should cover English & Arabic.
45. Multiple choice questions should be given after each module.
46. Multiple choice questionnaires can be created for different subjects.
47. 44 sounds of English with hundreds of words to practise.
48. Most of the clients should be Indian Clients.
49. Different types of graphs should be generated.
50. Lifetime perpetual License should be given.
51. Any Language compatible.
52. Parents can also login.
53. Management / Principal login.
54. Voting / Survey available.
55. Exercises with instant scoring.
56. To share Teachers screen to the students.
57. Notice can be posted, through the software.
58. IELTS, TOEFL & GRE materials to be provided.
59. Headphones with Microphone to be provided.
60. External learning materials can be added.

61. Learning materials should include the following languages: English, Arabic, French, Spanish, German, Italian, Greek, Portuguese, Chinese.
62. Indian / U.S./ U.K. accents should be covered in the study materials.
63. The main interface of the teacher with password protected login should have different options to help the tutor to teach effectively in a lively manner.
64. Management with password protected login should have the option to monitor the activities of both teachers and students and view various reports of scores, grades, performance graph/Bar/Pie in exercises, answer sheets, teacher and student attendance, live class and conference report, vote report and examination reports.
65. Parent with password protected login should have the provision to view their children's reports on attendance, score/grades, activity, performance and examination.
66. Teacher should be able to communicate to an individual student without disturbing others through audio/video/text and similarly, students should have the option to talk to the teacher personally.
67. Teacher should be able to broadcast messages selected students, a group or to a whole class by instant messaging, audio and video chatting.
68. Teacher should have real time monitoring of students' activity. An incognito supervision of students' activities by listening discreetly to the voice of the selected students and view the web-cam image of the student.
69. Teacher should have the option to emulate a normal classroom whiteboard, where teacher can type or draw on the board and send that to single, a group or to all students.
70. Teacher should be able to control the student's computer from their own desk and Shutdown, Reboot, Log off, Lock screen, Enable/Disable Input (keyboard & mouse).
71. The teacher should be able to create and assign lessons/works to selected students, a group or to a whole class.
72. The teacher should be enabled with Grammar Check Engine
73. The teacher should have the tool for live screen capturing of a student screen to monitor the student's activity which should be done from the teacher's desk.
74. The Software Should be ISO 9001 & 2008 Certified
75. The Software be available for both Windows and LINUX OS.
76. There should be a tool to enable the teacher to view students directly through their webcam to evaluate in a better way on the learning progress of individual student.
77. Job skill Program:

Software should help the students to identifying their ideal career to writing his resume and cover letter, handling difficult questions in the interview, responding to job offers and negotiating salary. Software should have video collections includes clips from top HR professionals helping candidate to understand what employers are really looking for.

Soft Skills:

78. The software must have Soft skills programs and should cover, writing Emails Introduction, Writing.
79. Emails Rules, Writing Emails Sample, Resume Writing Introduction, Resume Writing Tips, Cover
80. Letters, Group Discussions Introduction, Importance of Group Discussion, Tips on Group Discussion.
81. Teamwork Introduction, Teamwork at Workplace, Tips to work well as a team, Communication Skills.
82. Introduction, Types of Communication, Communication Tips, Public Speaking Tips, Interview Skills Introduction, Different Types of Interview, Interview Questions, Interview Tips.
83. Telephone Etiquette.
84. The software must have Personality Development programs and should cover, Attitude Introduction.
85. Attitude to be successful at your job, Positive Attitude, Negative thinking, Leadership Introduction.
86. Styles of Leadership, Time Management Introduction, Inefficient Time Management.
87. Managing your time well, Presentation Skills Introduction, Good Presenter Qualities, Tips for Good.
88. Presenter, Interpersonal Skills, Body Language.
89. The software needs to be Blind/Hearing Impaired Students Friendly.
90. Learning modules should be in compliance with CEFR -5000 plus hours of learning materials divided to
100+ modules with 1000s of Lessons arranged in minimum eight levels as Beginner, Elementary, Pre Intermediate, Intermediate, Upper Intermediate, Advanced, Proficient and Expert.
91. The software should include the tool to evaluate the Student Proficiency Level Test, the content materials should be ILT or CBT.

Licensing & Hardware:

92. Language Lab should require 10+ Integrated Languages.
93. Lifetime perpetual License should be given. The software should support with Teacher-led & Self-study Modes. The software should enable Data Security, Back-up & Easy Recovery.
94. The software should support windows/Linux/Cloud Server/Thin Client user or tablets and also support ANDROID&IOS. Software must provide LSRW activities in normal mobile phones without using the Mobile app.

C. Server & Work Station:

(i) Server: Core i3, 8th Gen, 4/8GB RAM, 1 TB hard Disk, Windows 10 (Preferred Brand: Dell/Lenevo/HP), Monitor – 21.5 Inch or better, Key board & Mouse

(ii) Workstation: Core i3 Quad Core, 2/4GB RAM, 500 GB/ 1 TB Hard Disk, Windows 10 (Preferred Brand: Dell/Lenevo/HP), Monitor – 18.5 inch or better, Key Board & Mouse

(Those are minimum specs required, vendor may quote above)

E. High Quality Head Phone with noise reduction and Mic.

F. High Quality HD Webcam.

G. Complete High Quality Lab Furniture with chair, Table, including teacher table and chair.

Chair:

Chair Legs: Powder coated 4 Legs

Seating Structure: Seat made out of 12mm moulded hot pressed plywood in ergonomic shape fitted with imported T - nuts and revited in to the wood.

Upholstery: Cushion with pre moulded foam of 50 - 60 density in the shape of plywood.

Back: Moulded Polypropylene back with netted fabric upholstered.

Armrest: These arms are made out of polypropylene injection molding component which offers the smooth finishes and Scratch resistance.

Computer Table with Partition:

Providing and Supplying in position table of size 1050mm X 600mm of height 750mm made of 19mm thick boiling water resistant block board of approved make sliding key board & one number of CPU trolley of size 450 x 300mm with 4nos of roller. All exposed surfaces of the table finished with 1.0mm thick laminate of approved make. All unexposed surfaces of the table finished with 0.8mm thick laminate The table complete with all necessary hardware fittings like locks, knobs, handles, cable management, concealed hinges with adequate no. of roller/channel for key board etc. of approved quality and make. The quoted rates shall include adequate and suitable adhesive of approved make. The item will be provided with a side partition of 500mm above the platform height & front partition to be of 250mm of clear glass. The total height of the table of 1250mm including the partition. Installation of SS Hook for hanging the headphones. All the edges of the partition to be fixed with powder coated aluminium channel/ or edge binding with wooden beading.

Teacher Table:

Providing and supplying in position table of size 1500mm x 600mm of height 750mm, made of 19mm thick boiling water resistant block board of approved make. All exposed surfaces finished with 1.0mm thick laminate of approved make and shade. The table complete with all necessary hardware fittings, concealed hinges of approved quality and make. Teak wood beadings are provided on the edges of the table finished with melamine polish. All items shall be carried out as per drawings. The quoted rates shall include adequate and suitable adhesive of approved make.

H. High Quality Audio System (Wall Mounted) with speaker, Mic. and Remote

I. Interactive Smart Board: 90" (Inch) Display or Above, Sensor Type – Infrared, Touch points – 10, Resolution – 32768 * 32768 or above, Cursor Speed – 180 dot/s, Position precision <= 0.1 mm or better, warranty 3 years.

J. Projector: LCD Projector 3000 ANSI Lumens, XGA with contrast ratio 3000:1 Fan Noise 37 dB with 4000 Hrs. Normal Lamp Life. Aspect ratio 4:3 With Screen

K. LAN Networking, Connection and Configuration: Electrical connection, networking and configuration of the server and workstation.

L. Electrical wiring and connections of the Workstations & Clients

Annexure-II

PRICE BID

Sr. No.	Item Name	Qty.	Specification	Unit Price (Rs.)	GST (Rate)	Total Amount (Rs.)
1	Language Lab Software		Strictly as per Annexure -I			
2	Server and Workstation					
3	High Quality Headphones with noise reduction MIC					
4	High Quality HD Webcam					
5	High Quality Lab Furniture with Chair (1 table & 1 Chair for teacher , and booth for 20/25/40 Students with front side glass and both side compressed wood along with respective no of chairs.					
6	Smart White Board , High Quality Projector					
7	Wall Mounted Audio System with speaker, Mic. and remote					
8	LCB Projector with Screen					
9	LAN Networking ,Connection & Configuration					
10	Electrical wiring and connections of the Workstations & Clients					

Total Amount in Words:

Seal & Signature of Bidder