



# INDIRA GANDHI NATIONAL TRIBAL UNIVERSITY

(A Central University established by an Act of Parliament)

Lalpur-Amarkantak-484887 (M.P.)

Ref.No.IGNTU/1207/2017

Dated...13/12/2017

EOI for Establishment of Language Lab in Indira Gandhi National Tribal University, Amarkantak II call

Vide a Notification dated 19/03/2017. A EOI for Establishing a Language Lab at the University was published in the University website [www.igntu.ac.in](http://www.igntu.ac.in) and News papers.

The same is hereby re-advertised and the qualified bidders are invited to submit bids for establishing the Language Lab as a central facility in Indira Gandhi National Tribal University, Amarkantak. For more details and specifications visit [www.igntu.ac.in](http://www.igntu.ac.in). The last date to submit biddings shall be 12 January 2018. Bid opening and presentation shall be held on 15-01-2018.

  
Registrar (H/c) 13/12/17

IGNTU, Amarkantak

## **Tender for Supply & Installation of M COM System for the university.**

Sealed Tender are invited in a two bid system, Technical Bid to be submitted and Commercial Bid to be submitted separately in sealed covers, the sealed Technical Bid cover and sealed Commercial Bid cover should be put in one envelope duly subscribed as “ Tender for M COM System”.

### **Technical Specification & minimum criteria for M COM System**

#### **TWO BID OFFER**

- a) The bids must be submitted in two covers marked Technical Bid and Commercial Bid separately.
- b) Only the bids that qualify technically will have their commercial offer opened.
- c) The minimum qualifications criteria has to be met on all points to qualify technically. Failing to qualify for any one feature/requirement in the bidder’s Minimum qualification criteria or technical specifications will result in their offer being summarily rejected

#### **Minimum Qualifications Criteria:**

- 1) Kindly note these minimum qualification criteria must be met to qualify to quote for this bid, which is to be submitted, if the bidder fails to qualify for any of the below criteria, bidder’s tender /offer will be rejected and the bids will be duly returned.
- 2) The software content offered must be state of the art internationally published Software only. The Interactive Multimedia based English Teaching Content with Audio / Video lessons included should be designed and published Internationally and should have both Indian Accents and International Accents along with the original license from the international publishers only. This feature is mandatory for any software program to technically qualify or else will be summarily rejected
- 3) The publisher of this English Software content should have the experience of minimum 20 years and the necessary certificate is to be attached.
- 4) The publisher or the supplier must be an ISO 9001:2008 certified company.
- 5) The supplier/principals must be in the business of supplying M COM System for a minimum period of 5 years and documentary proof of the same has to be submitted to substantiate the claim by means of order copies received from customers, clearly stating supply of M COM System failing which the tender will be rejected.

- 6) The supplier/principals should have done a minimum business of atleast 75 Lakhs per year for the last 5 years exclusively for the supply of M COM System and content. The above should be certified by the auditor and submit a detailed report for these 5 years by giving name of the customers/Order value of each order year wise, clearly stating M COM System / English content failing which their tender will be rejected.
- 7) The supplier/principals should have executed directly and not through any other company, principal, supplier/principals or agency a single order preferably from the Indian government for a value not less than Rs.1 crore exclusively for supply of M COM System and proof of the same has to be submitted, like Purchase Order copies clearly stating M COM System / English content etc, failing which the tender will be summarily rejected.
- 8) The detailed technical specifications for the Platform and International Interactive Multimedia Software have to be complied to as per the tender and a written confirmation of compliance or deviation has to be categorically mentioned and if there is a compliance of a feature the same has to be backed by a catalogue confirming the same. Tenders/Bids received with words like "As Per Tender Specifications" will be summarily rejected and their commercial offers will be returned back duly to them.
- 9) The supplier/principals must have a latest current dated authorization from his international software publisher addressed directly to us clearly authorizing him to bid on their behalf and the letter duly signed and sealed must be submitted in the technical bid.
- 10) The English content offered by any vendor/ agency should be in use either by CIEFL or RIE and the vendor must attach a certificate/letter from any of these two agencies failing which the tender will be rejected.
- 11) The software offered should be designed on the CEFR pattern and a document should be submitted confirming the grading levels as per CEFR pattern for the English programs offered by the vendor for the tender to be technically accepted.
- 12) The bidder should have supplied their English Content Program / M COM System to minimum 25 universities in India and documentary proof (copy of purchase order) of the same should be submitted for the technical approval.**

## **TECHNICAL SPECIFICATION & CRITERIA FOR EVALUATION OF CONTENT:-**

The program must also give the students to do the marking with the exercises and then study the feedback and explanations this is a concomitant feature failing which the program will be rejected.

The program should also allow the student to record his voice instantly from that particular specific learning unit for any sentence or words that he hears and compare his voice against the original for him to improve his pronunciation.

This record and compare feature should be available in each of these learning units in all pages of their program as a standard offering.

The program should also give the option to student to print all pages directly from that particular page or learning unit by click of a button.

The program should be extremely user friendly, graphically intuitive and easy to use with many different male/ female narrative voices to avoid the program becoming to monotonous.

All programs must have a unique student login id feature.

Any software program trying to offer a single or dual voice narratives will be summarily rejected and this is a mandatory feature.

The software must work on Wireless LAN for 1+50. The software must have a facility to monitor 1/4/9/16/36 students at a time. The software must have dual Track facility for student to record their voice and compare. The software must have facility to conduct Online exam with one answer, multiple answer, alternative and easy type. The software must have to broadcast voice and screen of Master Computer. The software must have facility to broadcast voice to all students. The software must have to do two way communications. The software must have facility to Monitor and Control key Board and Mouse of Students' computer. The software must have to record and Play Back all computer operation. The software must have facility to do Group Chatting and discussions. The software must have facility for teacher to select all or a specific group. The software must have facility to do common settings. The software must have facility to use streaming media over network to share all media files. The software must have facility to Control web access for students. The software must have facility to limit access to certain application. The software must have facility to create segment. The software must have Voice speed adjustment so as the tone remains unchanged for students to follow the content. The software must have restricts students on using any USB storage drive.

The 50 user software program should be a multiple structured base level program covering six aspects of English language training namely grammar, reading, writing, listening, speaking and

pronunciation, accessible through a single screen with a built in note pad, feature and progress chart on the main screen.

All these 6 learning areas should have minimum 15 units of learning each with pronunciation section having atleast 25 units to practice and pronounce. The software should have the option to go back to the main screen at any point in time of the learning or the teaching at the click of a button for easy navigation and is a mandatory feature or else it will be rejected.

The grammar unit should cover learning areas of Adjectives, Conjunctions , prepositions, plurals, A , An The, Questions and Negatives1 and 2, The simple past, The present Continuous, The simple present, Pronouns, Countable and uncountable nouns, Adverbs , Comparative and Superlative, each of these units to begin with an explanation and then a maximum of up to 6 exercises per learning area. Each of these explanations in these fifteen units must begin with a controllable audio playback teaching of the unit followed by exercises having a drag and drop, multiple choice type and this is a mandatory features. Apart from the above base level software the supplier should also offer 50 user separately a detailed grammar program.

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The program must also give the students to do the marking with the exercises and then study the feedback and explanations this is a concomitant feature failing which the program will be rejected.

The program should also allow the student to record his voice instantly from that particular specific learning unit for any sentence or words that he hears and compare his voice against the original for him to improve his pronunciation.

This record and compare feature should be available in each of these learning units in all pages of their program as a standard offering .

The program should also give the option to student to print all pages directly from that particular page or learning unit by click of a button.

The program should be extremely user friendly, graphically intuitive and easy to use with different male female narrative voices to avoid the program or learning becoming to monotonous.

Any program offering a single or two standard voice over continuously will be rejected. The idea is to make the English language learning a fun and easy way for students to learn so that they engage with the program and learn to effectively speak the English language which is the prime focus of the department.

The reading unit should again have a minimum of 15 learning units to read from with the same format of introduction and exercise and there should be a minimum of 5 video learning units in which there is a video instruction being taught with an option to simultaneously read what is being spoken on the video to improve the listening and reading comprehension of the students. This is a very important feature for the acceptance of the program and if not available then the program is liable for rejection.

The listening unit should also have a minimum of 15 listening units followed by exercises and should be multiple voices of minimum 6 different voices male and female in any listening package unit with at least one international accent perfectly blended within the listening program and any program/ software package not offering the above or trying to offer a single or dual voice narratives will be summarily rejected and this is a mandatory feature.

The writing unit of the program must also have a minimum of 15 units covering various types of writing like thank you letter, covering letter, essay writing, writing a short report, writing a postcard, writing a covering letter etc and each of these 15 units must have an audio narration either in form of instruction or reading about the particular exercise being practised by the student to engage them in a stimulation multimedia teaching experience with multiple voice over narrations and not a single or dual voice narration.

The speaking unit of the program must also have a minimum of 15 units covering various types of situations like giving directions, telephone calls asking questions etc and each of these 15 units must have an audio interactive dialogue for the students to listen to and engage them in a stimulative multimedia teaching experience with multiple voice over narrations and not a single or dual voice narration which will be rejected.

The pronunciation unit should have minimum 25 units with each allowing the option to listen to the word at the start, middle and end of the spoken word and then practice their own recording also and also there should be a video lesson showing the lip movement of each of the 25 units being taught.

The second aspect of the structured English program should be an extensive detailed five level Grammar programs should focus grammar and also other learning area like listening, speaking, reading and vocabulary skills.

The program should cover namely Elementary, Lower Intermediate, Intermediate, Upper Intermediate and Advanced. Elementary level should cover Am, is, are, I, my, me, simple present, questions, negatives, A, an, the, countable, some, my. Lower Intermediate should cover simple present, simple past, present perfect, comparisons, present continuous,

prepositions. Intermediate should cover the passive, will and going to, equality, relative clauses, question tags, conditional. Upper intermediate should cover past continuous, present perfects, Modals: must, might, can't, Adjectives and adverbs. Advance level should cover past perfect, phrasal verbs, nouns, the passive and article.

In the above detailed grammar program the concomitant features to be mandatory in all units / pages of learning are instant record and compare facility on screen, on screen marking, instant feedback, on screen print button option, note pad and progress report.

All programs must have a unique student login id feature.

The vendor must also offer a detailed pronunciation program along with the above programs and it should be in two levels one focussing on sounds and the other should focus on speech. The program should help learners recognise and pronounce the English phonemes; vowels, consonants and diphthongs. The program should include and not separately in a blended learning, as a part of the teaching have over 1,000 audio clips and 50 videos to provide a comprehensive input for the sounds, and models for learners to copy and the audio clips and videos have to be shown on the main screen within the units and not as separate exercises. This feature is mandatory. The built in on screen recorder should enable users to record their voice and assess their pronunciation against a native speaker should be on every learning unit page and must also allow the option to compare against the original recording simultaneously both in audio and also graphically.

In the program all the of the 25 units in the program contrasts should have minimum two sounds, for example head/had, there/dare, hair/hear. The first screen presents each sound independently — both in isolation and in the context of individual words — through video and audio. The pronounced phoneme should be heard and observed as a listening practise in the beginning of the word, middle of the word and end of the word and this is a mandatory feature.

The second activity in the program should present have examples of the sound in sentences for learners to listen to and repeat. They then move on to a discrimination exercise where they listen to the target phonemes and identify them to complete a task. In this unit also the learners can use the built in recorder which should be in each page of each learning to Record for further practice in producing the sound and improve pronunciation at the click of a button.

The program then should move the learners to make them understand the sounds in a real-world context. They might listen to someone describing a photograph, a child singing a nursery rhyme or the repeated vowel sounds in movie titles (for example the diphthong in Trading Places and Snakes on a Plane).

The final activity is a randomised IPA test where learners refine and test their knowledge of phonemic symbols. This enables them to use phonemic transcriptions in dictionaries with confidence. The test each time when tried should give out different answers to choose from at random and not the same so that the student do not pre-empt the answers.

In the program all the 25 units in the program contrasts should have minimum two sounds, for example head/had, there/dare, hair/hear. The first screen presents each sound independently — both in isolation and in the context of individual words — through video and audio. The pronounced phoneme should be heard and observed as a listening practise in the beginning of the word, middle of the word and end of the word and this is a mandatory feature. The second activity in the program should present have examples of the sound in sentences for learners to listen to and repeat. They then move on to a discrimination exercise where they listen to the target phonemes and identify them to complete a task. The program then should move the learners to make them understand the sounds in a real-world context. They might listen to someone describing a photograph, a child singing a nursery rhyme, etc.

The software should also be provided the detailed reading, listening comprehension and grammar minimum of 5 levels, covering areas finding a home, taking a course, reading a story, using a dictionary, making a journey, finding a job, reading a newspaper, making friends, reading an email, finding information, writing to pen friend, cooking chicken, choosing a holiday, ravel advice, struck by lightning, health matters, rent a pet, my wedding day, different cultures, dangerous sports, buried treasure, saving the world, why are you reading ?, Let's love sharks, how to lose weight, the smoking ban, a short story competition, It's magic, Animals learn to speak, wireless gaming, Death of the newspaper, A paper plane, fat for a day, reading a novel, my week, dangerous fashions, dolphins, hello, I'm your burglar, the final descent, Mysteries, Reading for pleasure, the Jaipur limb, Ecotourism, fashion, mythical beasts, the killing fields, laughter, the war poets, organizing information, find it – Fast, simple present, negatives, countable, present perfect, present continuous, past continuous, past perfect, equality, relative clauses, the future and phrasal verbs.

The software must have Reading Skills covering the Diamond Thief, the Guru and Sweets, reading a story, using a dictionary, reading a newspaper, making friends and finding information.

The software must have Speaking Skills covering talking about yourself, talking about what you did, talking about family, asking question politely and ordering food.

Software should helps the teachers to create own multimedia content/courses/exercise etc., like various text types, fill-ups, drag and drop, choose the correct, target, spotting etc. This software should be user friendly, also capable to add videos, audio, web links, pdf, etc., instant marking along with feedback should be set-up. The software should enables teacher to create interactive activities aimed at their students' specific needs. It should design to be accessible to all teachers who can use MS Word and Hotmail. The software should have a facility to record enabling learners to records their voice and compare. It should have a progress function for the learner to analyze their performance and plan their learning. It should have multiple source of information (audio, video, web links can be attached to a single screen). It should have a activities like Multiple choice, Dropdown, Reading Comprehension, Proof Reading, Text

Reconstruction, True/False, Drag and drop, Target spotting, Presentation and Gapfill. The software should have a facility to enable teachers to create a hierarchical course structure: course, units, Exercise and to link exercises together to form learning paths. It also a capability to include Graphics (jpg), audio files (mp3), videos (flv) and can link to websites which may incorporate pdfs or Powerpoint files. It should support to create Hints, Time Limits, Dictionary Link, Feedback, Printing and Audio Recording.

Business Software should be an enjoyable, thought provoking and practical course. It should come in minimum ten different units and covers every aspect of writing. It should also covers resume writing, Letters, report writing and a lot more. The software should have 10 units as writing process, applying for job, successful letters, successful email, case studies, writing clearly & appropriately, linking ideas , reports, key section of report, perfecting your documents. Each unit should have process, scratch pad, print, website and recording facility.

The supplier / bidder has to understand the above solution is a turnkey solution wherein along with the software they are supposed to supply fully integrated Multimedia Hardware M COM System with 1 Teacher System and 50 Student Receiving Stations with 1no. teacher having I-3 processor, 4GB RAM, 1 TB HDD, 10/100/1000 Ethernet, USB: 4 external USB Ports ; 2 USB 3.0 via add-on cards, Audio: Six back-panel connectors: microphone-in, line-in, and 4 line-out to support 5.1 audio jack; two front-panel connectors for headphone-output and microphone-in, Other: HDMI, VGA port, S/PDIF connector, eSATA, RJ-45 (10/100/1000 Ethernet) with 50 Receiving Station having configuration of Intel Atom 1.6GHz Embeded, 1 GB Ram Memory, 10/100 Ethernet, 2-ps2 ports, 6 USB ports, 1-VGA port, Intel HD Audio, 12V @ 5A 60W DC adaptor including 51 nos. Headphones, Keyboards, mouse, LCD Monitors, CAT5 Network cables and 100/1000 switch supplied along with all necessary furniture comprising of 1 Table with 1 Chair for Teacher and booth for 50 Students with front side glass and both side compressed wood. 50 Chairs for students. As a complete turn key installation with all the required Installation, Commissioning and Training completed in the universities.

**The program as mentioned above should have all the above features and qualification criteria for the vendor/ agency to qualify for this project and this is mandatory. Failure to qualify for any one of the above features as requested will be cause for rejection**