



Tender No. KU/R/1191 /16

Dated 06 /10/2016

OPEN TENDER NOTIFICATION

For Supply, Installation & Commissioning of

DIGITAL LANGUAGE LAB

IN

KOLHAN UNIVERSITY, CHAIBASA, JHARKHAND- 833 202

TENDER NOTICE

Kolhan University, Chaibasa, Jharkhand invites open tender in the form of sealed Technical & Commercial Bids for supply, installation and commissioning of Digital Language Lab as per the attached specification. Digital Language Lab will be installed at Kolhan University, Chaibasa, Jharkhand on a other location within university. The Tenderer has to quote the price of all the items along with the installation and commissioning costs in the financial bid.

Complete set of Bid Documents may be downloaded from Kolhan University website www.kolhanuniversity.ac.in.

Interested and eligible Bidders are required to submit the Technical and Commercial Bids in two separate sealed envelopes. The Technical and Commercial Bids should be accompanied by a bid security as specified in this Bid Document. The EMD in the form of Demand Draft / BG of INR Rs. 50,000/- drawn in favour of Registrar, Kolhan University, Chaibasa, Jharkhand payable at Chaibasa should be enclosed in the same envelope containing the Technical Bid. The Technical and Commercial Bids mentioning the name and address of the bidder, tender enquiry number, due date of submission of tender must be delivered to the Office of Registrar, Kolhan University, Chaibasa, Jharkhand on or before 28.10.2016 (up to 1:00 P.M.).

The envelope containing the Technical Bid and the Bid Security will be opened at the office of Registrar, Kolhan University, Chaibasa, Jharkhand, on specified Date & time in the presence of Bidders or their authorized representatives. In the event of the date specified for bid receipt and opening, being declared as a holiday, the due date for submission and opening of bids will be the following working day at the appointed times.

Schedule of various activities with regard to this invitation of bids are listed as below:

1. Last date & Time for submission of Bids	Date 28.10.2016. Time up to 1:00 P.M.
2. Date & Time of opening of bids	Date 28.10.2016 Time up to 2:00 P.M.
3. Address for communication, Place of submission of bids	Registrar, Kolhan University, Chaibasa, Jharkhand, Pin- 833 202.

GENERAL TERMS AND CONDITIONS:-

1. **Cost of Tender Document** : The cost of Tender Document is Rs.10,000/- in the form of D.D. drawn in favour of “The Registrar, Kolhan University, Chaibasa payable at Chaibasa.
2. **Two Bid System** : The original copy of tender (duly signed) should be sent to the Office in a sealed cover in a double envelop. The tenderer must place the two sealed envelopes clearly marked ‘TECHNICAL BID’ and ‘FINANCIAL BID’ by indicating the Draft number, date & amount of EMD on the envelope of ‘TECHNICAL BID’ failing which the tender will not be opened. Financial Bid to indicate a warning “*DO NOT OPEN WITH THE TECHNICAL BID*”. The outer cover should be super scribed **Tender for “FOR SUPPLY INSTALLATION AND COMMISSIONING OF DIGITAL LANGUAGE LAB IN KOLHAN UNIVERSITY, CHAIBASA”**.
3. **Downloads** : Tender Document with full details can be downloaded from university website: www.kolhanuniversity.ac.in from 06.10.2016 participation in the tender will be subject to remittance of the prescribed **Cost of tender document & EMD** alongwith the **Technical Bid**.
4. **EMD** : EMD of Rs.50,000/- in the form of crossed Demand Draft/ Bank Guarantee drawn from any commercial bank *in favour of* “The Registrar, Kolhan University, Chaibasa” payable at Chaibasa should be enclosed with the tender (technical bid) of each quoted by the bidder(s). The Unsuccessful Bidder’s EMD will be returned soon after the finalisation of Tender, where as the Successful Bidder’s **EMD** will be returned subject to furnishing of the required **Performance Security**. No interest will be paid on EMD for the period of retention in the university. Tenders without EMD would be rejected.
5. **Security Deposit** : The successful bidder has to furnish an amount equivalent to **ten (10) per cent** of the order value as **Performance Security Deposit** which will be refunded/ returned only after satisfactory completion of the contractual obligation including warranty. The Security Deposit should be in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any commercial bank and on which no interest will be paid.
6. **Warranty** : The supply of goods should be of tender warranty for one year including all parts in this schedule from the date of supply and acceptance by the concerned authority However, the manufacturer’s guarantee if any which exceeds, should be extended accordingly. After Warranty period Annual Maintenance Charge (AMC) should be quoted for 01 additional year on yearly renewable basis.
7. **Important Dates** :

1	Start date of downloading the Tender Document	06.10.2016	04:00 P.M.
2	Last date and time for submission of Tenders	28.10.2016	01:00 P.M.
3	Date and Time for opening of Technical Bids	28.10.2016	02:00 P.M.

8. **Due Date** : Tenders received after due date and time will not be considered. University will not be responsible for postal delays.
9. **Payment** : No advance payment is permissible. Payment would be made after successful completion of work and duly certified by the officer of the university designated for the purpose.
10. **Place of Delivery** : Kolhan University, Chaibasa, Jharkhand and other places as per instruction of the University.
11. **Liquidate Damage** : In case, the firm fails to supply the material as specified in the purchase order, a sum of equivalent to **0.5%** of the contract price per week or part thereof off delay until actual implementation or performance shall be deducted from the bill up to a maximum deduction of **10%** of the contract price. Once the maximum is reached, we may consider termination of the contract.

12. **Bank details for e-payment** : The bank details may be furnished alongwith tender for making e-payment to the successful bidder.
13. **Period of Validity** : The rates quoted shall be valid for a minimum period of 180 days beyond the date of opening of tenders.
14. **Evaluation** : The Technical Bids are to be opened by the university Committee in the first instance and will be evaluated technically be the Committee. At the second stage Financial Bids will be opened only for the technically qualified tenders for further evaluation before awarding the contract.
15. **Rejection of tenders** : Tenders not complying with the above conditions are liable to be rejected.
16. **Acceptance of tender and Jurisdiction** : Vice-Chancellor, Kolhan University, Chaibasa reserves the right to accept or reject any of the tenders either in part or in full without assigning any reason thereof. Decision of the V.C. will be final and legally binding. All disputes will be subject to Chaibasa Jurisdiction only.

Eligibility Criteria to Bidders

The Bidding is open to all qualified Bidder who fully meet the following qualifying requirements:-

1. The bidder should be an OEM (Original Equipment Manufacturer) or their Authorized partner. In case of authorized partner, a letter of authorization from original manufacturer must be furnished. (Submit self-attested documents)
2. The bidder should have executed orders for supply of similar/ IT/ IT enabled Items in Govt. (State/ Central), PSUs during last 03 (three) years. (Submit self- attested document)
3. The bidder should have an average annual turnover of not less than 1 (one) crore in the last three financial years and must submit an attested photocopy of the audited balance sheet & ITR of last 03 (three) years as a proof of annual turnover stated.
4. The Bidder should have Jharkhand VAT registration. The Latest Jharkhand VAT Certificate should be submitted. (submit self- attested documents)
5. Bidder should have local office & service support in Jharkhand & ISO Certification is desirable. (submit self- attested documents)
6. Bidder must submit a copy of PAN Card.
7. Bidder must not have been blacklisted by any PSU's/Central or State Government / Court of Law. (submit Affidavit)
8. The manufacturer must have installed similar brand software in at least 3 institutes across in Jharkhand State including degree colleges.

9. 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.

10. The Tender must quote all items of requirement list & must have capability of executing entire work on Turnkey basis.

Instruction to Bidders

- 1) The Supply, Installation and Commissioning of Digital Language Lab will be done at, Kolhan University, Chaibasa, Jharkhand and other place within Jurisdiction as per decision of the university.
- 2) The bidders will have to quote the price of all the Digital Language Lab along with their installation charges in the financial bid and the cumulative price shall be taken into consideration.
- 3) The Supply, Installation and Commissioning schedule shall be within 90 days from the date of issuing of work order at the location as mentioned in the tender and should be tested by the OEM personnel individually.
- 4) In case of any discrepancy between rates mentioned in figures and words, the offer in word shall prevail. If there is any discrepancy between the unit price and the total, the unit price shall prevail and the total price shall be corrected.
- 5) The bidder whose tender is accepted has to supply the items within the stipulated Period as mentioned. After successful installation the technical support will be provided by bidder company's/Authorized partner as and when required for duration of 12 (twelve) months.
- 6) Kolhan University, Chaibasa, Jharkhand may forfeit the EMD / BG amount deposited if the bidder fails to supply all the items in stipulated period as mentioned above.
- 7) The EMD / BG amount of unsuccessful Bidders will be refunded/ returned without interest after completion of tender formalities.
- 8) The price bid shall be evaluated on L1 basis as well as on Turnkey basis also.
- 9) No representation for change of rate once accepted will be considered.
- 10) If the items supplied by the accepted bidder are not as per the specified model and specification of the Digital Language Lab Kolhan University, Chaibasa, Jharkhand reserves the right to reject them.
- 11) The tender should be submitted in two cover system i.e. A: Technical Bid along with and EMD/ BG and B: Price Bid. There should be proper indication of the contents on each envelope.
- 12) The Bidders shall seal the envelope No. 1 Technical envelope and envelope No. 2 Commercial envelope in separate inner envelopes, duly marking the envelopes as "envelop No.1, Technical Envelope" and "envelope No.2 Commercial Envelope". He shall

then place these two envelopes in an outer envelope. Both the inner envelopes and the outer envelope should be addressed to: Registrar, Kolhan University, Chaibasa, Jharkhand, Pin- 833 202.

- 13) Any bid received by the Tendering Authority after the deadline for submission of bids prescribed by the Tendering Authority, will be rejected and / or returned unopened to the Bidder.
- 14) The Tendering Authority will award the work to the Successful bidder bid whose bid has been determined as the lowest evaluated bid provided further that the bidder is technically eligible.
- 15) Bidders are strictly advised to submit the Details of full specifications along with warranty period with technical bid.
- 16) 100% of the total price of the supplied items will be payable after submission of bill along with successful installation, satisfactory performance and physical verification certificates duly signed by concerned at location.
- 17) The supplier will have to assume onsite support of the supplied items.
- 18) During the onsite warranty period of 01 (One) year the bidder shall have to rectify/change free of cost any hardware/software defect.
- 19) Bidder shall make available all the hardware/software needed to operationalise the Digital Language lab Equipments.
- 20) Bidder shall also be responsible for the onsite maintenance free of cost for one year & AMC on expiry of term at the mentioned rate (The Bidder must specifically mention the AMC charges for the period of additional 04(four) years in the Bid).
- 21) Bidder should depute one person for carrying out necessary operations and for imparting training for at least two months from the date of operationalisation of the Digital Language Lab.
- 22) All legal disputes are subject to the jurisdiction of Chaibasa courts only.

Technical Bid Form
(Enclosed with Technical Bid)

Bid: Technical Proposal Sheet (Enclosed with Technical Bid)

Bidders Proposal Reference No. and Date:

Bidders Name and Address:

Person to be contacted:

Designation:

Telephone No(s) Telex No.:

Fax No.:

To,

Registrar, Kolhan University, Chaibasa, Jharkhand

Subject: Submission of Technical Proposal for Supply, Installation & commissioning of Digital Language Lab.

Sir,

1. We, the undersigned Bidders, having read and examined in detail the Specifications and all the bidding documents as specified in the Bidding documents
2. **PRICE AND VALIDITY**
All the prices mentioned in our proposal are in accordance with the terms as specified in bidding documents. All the prices and other terms and conditions of this proposal are valid for a period of 180 calendar days from the date of opening of the Bids. We are an Indian firm and do hereby confirm that our Bid prices include all taxes including Income Tax and Professional Tax. We have studied the Clause relating to Service Tax and hereby declare that if any Income Tax, Surcharge on Income Tax, Professional Tax and other Corporate Tax is altered under law, we shall pay the same.
3. **UNIT RATES**
We have indicated in the relevant schedules enclosed the unit rates and in case of any discrepancy in the unit price & the total price, the unit price shall prevail and the total price shall be corrected.
4. **EMD / BG**
We have enclosed a Demand Draft in favour of Registrar, Kolhan University, Chaibasa, Jharkhand Payable at Chaibasa for a sum of Rs. 50,000/- This EMD is liable to be forfeited in accordance with the provisions of Bid documents.

We declare that all Services/Works shall be performed strictly in accordance with the Scope of Work.

5. **BID PRICING :**

We further declare that the prices stated in our proposal are in accordance with the instructions to Bidders included in bidding documents.

6. **BID PRICE :**

We declare that our bid prices are for the entire scope of the work as specified in the technical specification and bid documents. These prices are indicated in Annexure 2 attached with our proposal as part of the Commercial Bid. We hereby declare that our proposal is made in good faith, without collusion or fraud and the information contained in the proposal is true and correct to the best of our knowledge and belief.

Format for Technical Proposal

S1. No.	Item Name as per requirement list	Item Name quoted by bidder	Compliance	Remarks
1				
2				
3				
4				
5				

Thanking you,

Yours faithfully,
(Signature) Printed Name and Designation:

Seal:
Date:
Place:
Business Address :

Bid Price Form
(Enclosed with Commercial Bid)

Bid: Commercial Proposal Sheet (Enclosed with Commercial Bid)

Prices for Supply, Installation and Commissioning of Language lab At Kolhan University, Chaibasa, Jharkhand, in the manner as specified in Specifications and Bidding documents.

Bidders Proposal Reference No. and Date:

Bidders Name and Address:

Person to be contacted:

Designation:

Telephone No(s) Telex No.:

Fax No.:

To

Registrar, Kolhan University, Chaibasa, Jharkhand

Subject: Commercial Bid Proposal for Supply, Installation & commissioning of Digital Language Lab.

Sir,

Format for Commercial / Financial Proposal

S1. No.	Item Name as per requirement list	Item Name quoted by bidder	Compliance	Cost Per Unit (Rs.)	Quantity	Total Cost (Rs.)
1						
2						
3						
4						
5						
Total Amount						Rs.
Total Amount in words:						

Total amount in Rupees 1) In figure.....

2) In Words.....

Prices are inclusive of taxes & duties and all other costs.

Date.....

Signature of Bidder with seal

Requirement List

S.n.	ITEM NAME (SCOPE OF WORK)	UNIT
1	<p>➤ Unique Specified Features of Digital Language Lab</p> <p>Intercom: Text Chat; Audio Chart; Video Chat, Communicator: Text Message; Audio Message; Video Message, View Master, Supervisor: Picture; Audio; Video, Alert: Text Chat; Audio Chart; Video Chat, eBoard/Whiteboard, Controller, Screen Viewer, eAssignments, Reports, Lesson Studio, eReader, eWriter, Billboard, Model Student: View Assignment; View Screen; Listen Model; View Model; Text Chat; Audio Chat; Video Chat, Sharing & Grouping: Text Chat; Audio Chat; Video Chat; Get Assignment; View Screen, Live Class: Text Mode; Audio Mode; Video Mode, Conferencing: Text Mode; Audio Mode; Video Mode, eExam (Paperless Exam), Net –Flick, X-Play, Video Streamer, Graphical Representation : Voice Comparison, Video Chatting, Share Teacher’s screen to the students, Homework, Exercises with Instant scoring, Voting / Survey, Assessment of Speaking test and Mark Sheet , Assessment of Listening test +, Parents Login, Management Login, Any Language Compatible, Integrated Study Material, Life Time Perpetual License,</p> <ul style="list-style-type: none"> ➤ 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. ➤ 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. ➤ Parent with password protected login should have the provision to view their children’s reports on attendance, score/grades, activity, performance and examination ➤ 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. ➤ Teacher should be able to broadcast messages selected students, a group or to a whole class by instant messaging, audio and video chatting. ➤ 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. ➤ 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. ➤ 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). ➤ The teacher should be able to create and assign lessons/works to selected students, a group or to a whole class. ➤ 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. ➤ There should 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. ➤ The teacher should be able to create and assign homework to students: Online and Offline Home Work, Reading and writing assignments. The students should be able to download these files and work at their convenience and upload to teacher when completed. ➤ 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. ➤ 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. 	30+1 User

	<ul style="list-style-type: none"> ➤ The teacher should be able to create their own audio/video lessons and enable to assign the pre-recorded lesson for future dates. ➤ 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. ➤ The teacher should be able to write message or a piece of information on the notice and leave it for students to view online or later and set the validity of the notice board. ➤ The teacher should be able to stream online internet videos/movies for showing it to students. The teacher should stream movies to selected students or to the whole class and save the teacher's time for downloading the movie file and sharing it with the students. ➤ The teacher should be able to plug or insert any external device (USB, CD/DVD) and to play or use the files. ➤ 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. ➤ 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. ➤ 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. ➤ The teacher should be able to view the assignments submitted by the students and respond to the students with the feedback. ➤ 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. ➤ The teacher should be able to create online exams and conduct them based on the assigned audio/video lessons. The teacher should have option to create questions in the form of MCQ, True or False, Fill in the blanks or Match the following and should generate scores automatically. ➤ 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. ➤ 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. ➤ The software should be with one year onsite warranty and should include delivery, onsite installation, onsite trainings and 24/7 online support services. ➤ The Software should support on LINUX, Thin Client & Cloud System. ➤ The Software should have Android supported mobile application. 	
2	<p>Head Phone Full Stereo sound Cable length: 6 ft/1.8m Frequency response: Headset: 20 Hz – 20,000 Hz Microphone: 100 Hz – 10,000 Hz Sensitivity: -40 dBV/Pa +/- 3 dB</p>	31 Nos.
3	<p>HD Video calling (1280 X 720 pixels) with recommended system HD video capture: Up to 1280 X 720 pixels Fluid Crystal™ Technology Photos: Up to 5 megapixels Built-in mic with noise reduction Hi-Speed USB 2.0 certified Universal clip fits laptops,software: Pan, tilt, and zoom controls Video and photo capture</p>	31 Nos.

	Face tracking Motion detection	
4	False Ceiling with branded Armstrong ceiling Tiles & Aluminium Tee Section Hanger, J hook & Rawal Plugs , Nuts & volts including cost of fitting – Size of Hallsq.ft. sq.ft.
5	Flooring with branded Vitrified Ceramic Tiles With floor carpeting and all materials including cost of fitting –Size of floorsq.ft. sq.ft.
6	Wall Paneling with high quality PVC profile with Aluminium /G.I. Channel / Wall paneling with branded vitrified ceramic tiles Including related materials & cost of fitting. Or Wall painting/furnishing as required/decided by site of for digital language lab size of 2 Walls -..... sq.ft.+ size of 2Walls - sq.ft. Total:..... sq.ft. (-)Aluminium door sq.ft. (-) Aluminium Window sq.ft. Total(-) =..... sq.ft. sq.ft.
7	Aluminium Door with Aluminium Channel, Laminated board, glass and cost of fitting – size= sq.ft. Curtains of branded/high quality fabrics for digital language lab sq.ft.
8	Aluminium Window with Aluminium Channel, Laminated board, glass and labour cost of fitting – size = sq.ft. Curtains/Blinds of windows for digital language lab as per site sq.ft.
9	Complete Lighting and Fans Arrangement with heavy wires including power point , Light point , Fan point, Computer power point , Air Conditioner point and Main power point all arrangement with underground pipe wiring giving a decent outlook – Hall size sq.ft. sq.ft.
10	Trainee system consoles-Intel 6th Generation Series (Core i3) Processor Family or higher, Motherboard: Intel chipset based OEM motherboard with support for PCI Express x16 graphics port, Memory: 4GB RAM DDR3 or better with minimum 2DIMM Slots expandable up to 16GB, Hard Disk Drive: 1 TB 5400 rpm SATAII (3Gb/s), Hard Disk Controller: Integrated On-Board Hard Disk Controller supporting Serial ATA Interfaces, Monitor: 19.5" Wide TFT TCO monitor with internal speakers in the monitor, Display: Support dual Display, Power Supply: Minimum 200W SMPS, Security (Software) : McAfee Antivirus for 3Years, Security (Hardware) : TMP 1.2 Security chip, Key Board: USB / PS2 104 Keys or more Multimedia Keyboard Rupee Symbol ready isolated keyboard, Mouse: USB/PS2 Optical Scroll Mouse, Network Card: Integrated on board Ethernet Controller 10/100/1000 with PXE support and Remote wake up, Interfaces: Minimum 4 USB Ver. 2.0 (with 2 in front) & 2 NOS USB VER 3.0.Audio Ports, Expansion-Graphics Slots: Total 4PCI series slots with at least 1PCIe X16 slot, Cabinet: MATX Cabinet with at least 4 bays (2x5.25" External, 1x3.5" External, 1x3.5" Internal), Audio: Integrated on board audio controller, Operating System: Windows 10 Professional (64bit), Microsoft office standard 2016, Management Software: Single utility / management software Application and data recovery Secure data removal (permanent and irreversible) Asset health and tracking software A web based management console that provides a single interface to manage all the systems in a site, Certification: EPEAT, UL, FCC, Window 10 Certification, Linux certification, ISO 9000/9001-14000, OEM Ranking: Among Top 5 Global Brand as per IDC rating, Three (03)Years Warranty.	30 Nos.
11	Instructor System Console-Intel 6th Generation Series (Core i7) Processor Family or higher, Motherboard: Intel chipset based OEM motherboard with support for PCI Express x16 graphics port, Memory: 4GB RAM DDR3 or better with minimum 2DIMM Slots expandable up to 16GB, Hard Disk Drive: 1 TB 7200 rpm SATAII (3Gb/s), Hard Disk Controller: Integrated On-Board Hard Disk Controller supporting Serial ATA Interfaces, Monitor: 19.5" Wide TFT TCO monitor with internal speakers in the monitor, Display: Support dual Display, Power Supply: Minimum 200W SMPS, Security (Software) : McAfee Antivirus for 3Years, Security (Hardware) :TMP 1.2 Security chip, Key Board: USB / PS2 104 Keys or more Multimedia Keyboard Rupee Symbol ready isolated keyboard, Mouse: USB/PS2 Optical Scroll Mouse, Network Card: Integrated on board	01 Nos.

	<p>Ethernet Controller 10/100/1000 with PXE support and Remote wake up, Interfaces: 1 Serial, 1 parallel, Minimum 4 USB Ver. 2.0 (with 2 in front) & 2 NOS USB VER 3.0. Audio Ports, Expansion-Graphics Slots: Total 4 PCI series slots with at least 1 PCIe X16 slot, Cabinet: MATX Cabinet with at least 4 bays (2x5.25" External, 1x3.5" External, 1x3.5" Internal), Audio: Integrated on board audio controller, Operating System: Windows 10 Professional (64bit), Microsoft office standard 2016, Management Software: Single utility / management software Application and data recovery Secure data removal (permanent and irreversible) Asset health and tracking software A web based management console that provides a single interface to manage all the systems in a site, Certification: EPEAT, UL, FCC, Window 10 Certification, Linux certification, ISO 9000/9001-14000, OEM Ranking: Among Top 5 Global Brand as per IDC rating, Three (03) Years Warranty.</p>	
12	Windows Server 2012 Standard for Instructor System Console	01 No.
13	<p>Back up device for digital language lab 10KVA / 9KW load with 0.9 P.F Technology: 10KVA online UPS with insulated gate bi-polar transistor (IGBT) technology based rectifier & inverter both. UPS must be having dual mains input connected to two different power sources & hot swappable batteries for continuous operations when the batteries are being replaced. Form Factor: 4U AC Input voltage Range/Phase: 100-280 V with 1:1 & 3:1 options in same ups UPS efficiency at full load: min 94% or more Input Frequency Range: 40-70HZ (auto sensing) AC Output Voltage: Configurable for 220:230:240V Output Frequency: 50Hz \pm 0.01% Wave form: Pure sine wave (Output) Protection: Input over voltage protection, Input under voltage Protection, over voltage cut off. Short circuit protection, Over temperature, low battery & batter over charge Protection should be provided. Built in bypass switch must. Surge Energy Rating: Min 450 Joules Software: UPS monitoring software with auto shutdown should Be given in OEM CD Overload Capacity: 125% 1 Minute 30 Second > 150% to 175% 25 line cycles, > 175% 5 line cycle Harmonic Distortion: Less than 3% Crest Factor: 3:01 Indications & Audible Alarms: Mains on, Inverter on, Overload, Load on mains, load on battery, battery low etc. Digital Metering: LCD Display for measurement of AC voltage, Battery voltage, Battery current, Load current, Output Frequency etc. Battery Features: Battery backup of 60 Min using 12V SMF or Flooded Battery Compatibility. VAH should be minimum 12480 VAH. Battery AH to be mentioned along with quantity & Battery Paralleling will not be accepted. (Firms will be blacklisted for Supplying tractor batteries or local stickered battery) In-Built charger: Inbuilt charger should be min 7AMPS or Greater. Charger AMPS to be mentioned External Charger will Not be accepted. Battery Make: Exide/ Rocket/ Quanta, with Warranty certificate from OEM Suitable racks & link cables has to be supplied along. (Firms Will be blacklisted for supplying Tractor Batteries) Environmental: Operating temperature: 0-40C, Noise Level < 55DB Other details: IEC 320 standard cable to be used Certification: Product manual is must. To be attached with Tender Documents.</p>	01 No.

	<p>ISO 9001, ISO 14001, OHSAS 18001 Certified and Certificate of ROHS Compliance product user manual to be submitted along with Technical Bid. The same is inherently required to evaluate Technical specification. The user manual should be easily Accessible in OEM website</p> <p>After sales support & Manufacturers: Pan India based Service Centre with 24x7x365 Days support with dedicated toll free Number having minimum 1 Service centre at Ranchi. (No local Mobile/ landline number for service will be entertained)</p> <p>Warranty: Minimum 2 Years onsite warranty on UPS & Battery Both with no charges on parts, Labour & Service during this Tenure on UPS repair or replace except physical damage or Damage due to natural calamity UPS & Battery OEM certificate To be enclosed along tender quotes our organization will not pay any extra charges during this tenure</p>	
14	Instructor/Trainee Chair-Seat & Back cover cushion chair upholstered in Leatherette, Metal Powder Coated Four Legs CN Size :Max H-455mm x W-595mm x D-510mm Fixed Arms	31 Nos.
15	Instructor/Trainee table 3x2-Free standing table. Modular tables size 900 mm(L) x 600mm(D) x 750mm(H). Table top made up of 25mm thick pre-laminated particle board and understructure shall be made of 18mm thick prelaminated particle board gable ends and modesty panels. The working edges shall be provided with machine pressed 2mm thick PVC edging using special hot melt glue at hot temperature. Provision of one fixed Drawer storage unit one CPU trolley and keyboard tray attached to the table top.	31 Nos.
16	Cooling System- Capacity 2 ton, air conditioner, 3 star rated, cooling Capacity: 6350w, Noise level: 40DB, Power Input: 2000w with Himalaya cool and monsoon comfort, Stabilizer for air conditioner, Installation & commissioning charges, Outdoor stand for AC, Refrigerant cu pipe per meter, Drainage pipe per meter, Electric wire per meter,	As Required
17	55" Full HD, IPS Panel, 20w sound Web O.S- 3.0, Magic Remote, Smart Share, Mira Cast, Network file Browser, Web Browser, 3G, 4G Dongle Compatible	As Required
18	16 port 1000 base Switch-2 Nos., CAT6A UTP Cable rolls with 305 meter. Length- As required, Laying of UTP Cable per m- As required, Conduit Pipe- As required, Laying of Conduit Pipe- As required, RJ-45 Connectors- As required, Patch chord - As required, I/o box with connectors- As required, Rack- 1 No., Fixing of Rack- 1 Job., UPS battery backup with automatic voltage regulation	As Required