

R. B. College
Dalsingsarai -848114, Dt. Samastipur,
Bihar

TENDER DOCUMENT FOR

Designing, Supply, Installation & Commissioning of
DIGITAL LANGUAGE LABORATORY

DETAILS OF TENDER

TENDER NOTICE NO.	01/2018
Dated	09-08-2018
LAST DATE & TIME FOR RECEIPT OF TENDER	20-08-2018: 3.00 pm
DATE & TIME OF OPENING	25-08-2018: 12.30 pm
NAME AND ADDRESS OF THE TENDERER	The Principal, R. B. College, Dalsingsarai-848114, Samastipur, Bihar

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SECTION - I

INVITATION FOR Bids

1. The Principal, R.B. College, Dalsingsarai, Dt. Samastipur), 848114, Bihar, invites sealed tender from eligible bidders /firms for Supply, Installation & Commissioning of various components of Digital Language Laboratory at R. B. College, Dalsingsarai.
2. Interested and eligible bidders/firms may obtain further information, if required, from the office of The Principal, R. B. College, Dalsingsarai (Samastipur), 848114, Bihar, The bidding document may be obtained by downloading it from **www.rbcollge. ac.in**.
3. Bids/Quotations will be opened in the presence of members of the College Development Committee on the date mentioned above.
4. In the event of the date specified for receipt and opening of quotations being declared as a holiday for purchaser's office, the due date for submission of bids will be the following working day at the appointed times.
5. The date fixed for opening of bids/quotations may be extended in case of any unforeseen reason and that will be informed to concerned persons through email.

SECTION - II

Instructions to Bidders

1. The Supply, Installation and Commissioning of DIGITAL LANGUAGE LABORATORY at Ramashray Baleshwar College (R. B.College), Dalsingsarai-848114, Samastipur, Bihar.
2. The bidders will have to quote the price (in INR) of all the items related to DIGITAL LANGUAGE LABORATORY as mention in the requirement list 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.
4. In case of any discrepancy between rates mentioned in figures and words, the offer 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 by bidder company's/Authorized partner technical support will be provided when required for duration of 12 (twelve) months.
6. The Bids must reach the undersigned on or before the due date, i.e. Bids received after the due date and time is liable to be rejected. The college shall not be responsible for any postal delay. However, in the event of due date being a closed holiday or declared holiday, the due date for submission of the quotations will be the following working day at the same time & venue.
7. The bids shall include all specifications as detailed in the document. Silence in any of the specifications will be interpreted as non-conformity with purchaser's requirement.
8. If the items supplied by the accepted bidder are not as per the specification of the Language Laboratory, the College reserves the right to reject them.
9. The rates quoted should indicate clearly all applicable taxes and all charges and should be in INR.
10. The tender should be submitted in two cover system i.e. A: Technical Bid and B: Commercial Bid. There should be proper indication of the contents on each envelope.
11. 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: The Principal, R. B. Colldege, Dalsingsarai- 848114,Samastipur, Bihar.

12. All the pages of the bid should be signed along with company's seal.

13. Evaluation Criteria: -

Complying with the specification as far as possible as mentioned in **Annexure A**

Preference shall be given to firms who have the experience in the related field.

14. All civil work during the installation of Smart Board along with the Projector and other related or unrelated items and during networking will be carried out by the bidder in such a manner that it should match with the existing civil work of the classrooms.

15. The College reserves the right to reject any or whole quotations without assigning any reason thereof and does not bind itself to accept the lowest quotations whatsoever.

16. That in case of any disputes between concerned parties the decision of The College Development Committee of the College will be final and binding on all parties concerned.

SECTION - III

TERMS AND CONDITIONS

1. Rates should be valid for a period of 120 days from the date of the opening of the quotations and that the College may give orders or repeated orders during this period.
2. The College reserves the right to only procure some items at a time.
3. The Tendering Authority will award the work to the successful bidder whose bid has been determined as the lowest evaluated bid provided further that the bidder is technically eligible.
4. The supplier will have to assume onsite support of the supplied items.
5. During the onsite warranty period of 01 (One) year the bidder/ firm shall have to rectify/ change free of cost any hardware/software defect.
6. Firms shall respond to Technical Specifications in the prescribed format only as mentioned in **Annexure-A** of Tender Document.
7. Firm shall quote for price in the prescribed format only as mentioned in **Annexure-B** of Tender Document.
8. The terms and conditions of the tender are binding.
9. The cost of Tender document is Rs. 2000/. Participation in the tender will be subject to remittance of the prescribed Cost of tender document in the form of DD drawn in favour of PRINCIPAL along with the Technical Bid.
10. EMD of Rs.40,000/-(Forty thousand only) in the form of Crossed Demand Draft drawn from any commercial bank in favour of "The Principal , R. B. College, Dalsingsarai" payable at Dalsingsarai, Samastipur should be enclosed with the tender (technical bid) by the bidder(s). The EMD of unsuccessful bidders will be returned soon after the finalization of Tender. The EMD of the successful bidder will be returned after satisfactory completion of contractual obligation. No interest will be paid on EMD for the period of retention in the College. Tenders without EMD would be rejected.
11. In no case advance payment will be done. 95% (ninety five percent) of the total cost will be made after successful Installation, demonstration and training of concerned college personals. The balance amount that is 5% (Five percent) of total cost will be kept as security deposit and refunded without interest only after completion of warranty/ guarantee period.

SECTION - IV

ELIGIBILITY CRITERIA FOR PARTICIPATING IN THE TENDER (Valid & Up to date Documentary Evidence to be enclosed)

1. The Firm must have been in the IT Business for at least 3 years.
2. Details of Income tax and GST to be submitted along with the offer. Photocopy of Pan Card, Aadhar Card and other documents must be attached with tender documents.
3. The Original manufacturer of goods and other items should be an established vendor with presence in India for the last 5 years.
4. The Data sheets / Cross reference documents and technical documents submitted should be available on the websites of the respective manufacturer and the URL links to the respective documentation should be provided in the compliance statement. Any document which is not available on the website of the Original Manufacturer would be treated as invalid document submitted and noncompliance against the technical specification asked in the quotation document.
5. The Firm should have experience of implementing LANGUAGE LABORATORY in reputed Institute/ College/ University/NITs / IIT in India. The Firm must have conducted a Users' Trainings for such Installation. Documentary Evidence of such Trainings with Photograph has to be provided. Completion Certificate of the aforesaid work, if any, needs to be submitted.

SECTION - V

Estimated Bill of Quantity

DIGITAL LANGUAGE LABORATORY

SL. NO.	ITEM	UNIT/ QUANTITY
1	Instructor System Console-Desktop PC HP/ Dell	1
2	Trainee System Consoles-Desktop PC HP/Dsll	20
3	Head Phone	21
4	HD Video calling	21
5	Back up device for digital language lab	21
6	Digital Language Lab Software	1+20 users
7	Networking (LAN) and cabling with wires. Switch & other related accessories. All materials of reputed company	As required
8	False Ceiling in the proposed room for Language Laboratory.	Sq.ft.
9	Flooring with branded Vitrified Tiles and all materials including cost of fitting	Sq. ft.
10	Renovation of Walls of the proposed room for Language Laboratory.	Sq. ft.
11	Separate heavy load cable connection from main line to the language lab. Complete Lighting with heavy wires and switch 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	on site measurement and as per requirement
12	Executive Chair for Teacher	1
	Computer chair for Students	20
13	Instructor Computer Table for teacher Size 5'x3'	01
	Computer table for Students 3' x2'.	20
14	Cooling System	02
15	55" Full HD ultra 4K smart LED (Sony/ Samsung/ LG)	01
16	Integrated Digital Podium	01

Annexure - A

Technical Specification For Various Components or for DIGITAL LANGUAGE LABORATORY

1. Teacher System Console- Desktop PC hp/Dell. ; Chipset - H110 or higher ; Processor - Intel Core i5/i7 8th Gen; Memory - 8GB DDR4, 2666 MHZ, RAM expandable to 32 GB / 2 DIMM Slots ; Hard Disk - 2TB 5400 rpm SATA HDD & 256GB SATA SSD; USB Ports - 8 USB Ports (2 Front USB 3.0, 2 Rear USB 3.0, 4 Rear USB 2.0) ; Legacy Ports - Serial, 2 PS/2,; Slots PCIe X1, PCIe X16, PCI, M.2 ; Bays 3 (1 ODD External, 2 HDD internal) ; Display Ports 1 VGA, 1HDMI ; Security TPM 1.2 upgradeable to 2.0; Operating System - Windows 10 Professional 64bit/ Free DOS ; Monitor - 22"; FHD Monitor (1920x1080), anti-glare, narrow border ; Keyboard/Mouse - USB 104 keys keyboard (Same make as PC); MS Office 10 and Antivirus Quick hill/ K7 preinstalled.
2. Trainee system consoles-Desktop PC hp/ Dell - Chipset - H110 or higher ‘ Processor - Intel Core i3-7100 with Intel HD Graphics 630 (3.9 GHz, 3 MB cache, 2 cores) ; Memory - 4GB DDR4 RAM expandable to 32 GB / 2 DIMM Slots; Hard Disk - Minimum 1TB expandable upto 2TB SATA HDD & 256GB SATA SSD; USB Ports - 8 USB Ports (2 Front USB 3.0, 2 Rear USB 3.0, 4 Rear USB 2.0); Legacy Ports - Serial, 2 PS/2; Slots PCIe X1, PCIe X16, PCI, M.2; Bays 3 (1 ODD External, 2 HDD internal); Display Ports 1 VGA, 1HDMI ; Security TPM 1.2 upgradeable to 2.0; Operating System Windows 10 Professional 64bit/ Free DOS; Monitor - 22" FHD Monitor (1920x1080), anti-glare, narrow border; Keyboard/Mouse - USB 104 keys keyboard (Same make as PC); MS Office 10 and Antivirus Quick hill/ K7 preinstalled
3. Head Phone USB Plug and play,-Noise cancelling microphone, 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.
4. 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 8 megapixels, Built-in mic with noise reduction, Hi-Speed USB 2.0 certified, Video and photo capture, Face tracking, Motion detection.
5. Back up device for digital language lab: UPS 700 VA capacity (APC/ Zabronics/ Cyberpower/ V Guard); Wave form: Pure sine wave (Output), Double battery; Input voltage Range 100-280 V; Input Frequency Range: 40-70HZ (auto sensing), AC Output Voltage: 220:230:240V, Output Frequency: 50Hz ± 0.01%. Protection: Smart overload sense and short circuit protection, Input over voltage protection, Input under voltage Protection, over voltage cut off. Short circuit protection, over temperature, low battery & batter over charge protection indications & Audible Alarms. Digital Metering: LCD Display/ Data line and Surge protection.
6. Specified Features of Digital Language Lab Software:
 - ✚ L (Listening), S (Speaking), R (Reading) and W (Writing) eabled software. 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, e-Board/Whiteboard, Controller, Screen Viewer, e-Assignments, Reports, Lesson Studio, e-Reader, e-Writer, 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
 - ✚ 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.
 - ✚ 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 group students temporarily so that the students can communicate with each other by using text chat facility, audio message and video talks.
- ✚ 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 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 have Android supported mobile application.
7. Networking (LAN) and cabling with wires. Switch & other related accessories.
 8. False Ceiling with branded Armstrong ceiling Tiles & Aluminium Tee Section Hanger, J hook & Rawal Plugs , Nuts & bolts including cost of fitting.
 9. Flooring with branded Vitrified Tiles and all materials including cost of fitting –Size of floor 600 sq.ft.
 10. Wall furnishing: Mounting with high quality PVC profile Wall Paper Or as required/decided on the site for digital language lab size of 2 Walls - 12 x 30 sq.ft.+ size of 2Walls - 12 x 20 sq.ft. including doors and windows which will be excluded at the time of final measurement.
 11. Curtains of branded/high quality fabrics for doors and window including aluminium pipe and brackets of high quality.
 12. Electric Wiring: Separate heavy load cable connection from main line to the language lab. Complete Lighting with heavy wires and switch 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.
 13. Executive Revolving Chair for Teacher and Computer chair for Students 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.
 14. Computer Table for teacher- Size 5'x3' ; Computer table for Students 3' x 2'. 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 and keyboard tray attached to the table top.
 15. Cooling System- Capacity 1.5 ton, split inverter air conditioner (Voltas/ Hitachi/ LG or any brand), 5 star rated. 3 kva Stabilizer for air conditioner (V Guard/ Livguard), Installation & commissioning charges, Outdoor stand for AC, Refrigerant cu pipe per meter, Drainage pipe Electric wire etc.
 16. 55” Full HD ultra 4K smart LED , IPS Panel, 20w sound Web O.S- 3.0, Magic Remote, Smart Share, Mira Cast, Network file Browser, Web Browser, 3G, 4G Dongle Compatible .(Sony/Samsung),
 17. Digital Podium Integrated Digital Podium- Podium Podium made up of good quality metallic material. Input/output Port on Top - 2USB, 2 XLR for mic. At right bottom 2 USB, VGA in & Out, Audio in & Out, LAN. HDMI power socket with on off switch pace for PC, Amplifier, controller etc., built in rack Sliding top tray for laptop/ Documents Drawer for keyboard and mouse 8 built-in power sockets modular spark resistant inside with central power control MCB Front logo display provision with flexibility to change; Lockable Drawer for document camera opposite side of the Laptop tray Full Size access door for service from audience side of the Podium Each Door/Drawer/Tray with locking system. Display 22” Touch Panel Audio Gooseneck Mic Wireless Mic Amplifier Speaker Computer RAM- 2gb HDD- 500 GB KBD & Mouse – Wired/Wireless Processor – Core i3

Annexure B
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.:

Email id:

To

The Principal,

R. B. College, Dalsingsarai- 848114,

Samastipur, Bihar

Subject: Submission of Technical Proposal for Supply, Installation & commissioning of DIGITAL LANGUAGE LABORATORY.

Sir,

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. 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 your Instructions to Bidders included in bidding documents.

6. **BID PRICE** We declares 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:

Date:

Business Address :

Seal:

Place:

Bid Price Form
(Enclosed with Commercial Bid)

Bid: Commercial Proposal Sheet (Enclosed with Commercial Bid)

Prices for Supply, Installation and Commissioning of DIGITAL LANGUAGE LABORATORY at R. B. College, Dalsingsarai-848114, Samastipur, Bihar 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.:

Email id:

To

The Principal,

R. B. College, Dalsingsarai-848114,

Samastipur, Bihar

Subject: Commercial Bid Proposal for Supply, Installation & commissioning of DIGITAL LANGUAGE LABORATORY

Sir,

Format for Commercial / Financial Proposal
Commercial BID

Sl. No.	Item Description	Unit Price	Qty	Amount	Tax	Total
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