

**Tender Notice**

**Tender Document for Designing, Supply, Installation & Commissioning  
Of Language Lab. at Devicharan Barua Girls' College, Jorhat, Assam**

**TENDER NOTICE NO** : DCB/Tender/RUSA/Language Lab/2017-18/01

**Dated** : 06/04/2017

**LAST DATE & TIME FOR SUBMISSION OF TENDER:** 18/04/2017 Up to 3.00 PM

**TENDER OPENING DATE** : 21/04/2017

**SCOPE OF WORK** : Supply, Install & Commissioning of Language Lab

**PLACE OF OPENING BID** : DCB Girls' College, Jorhat, Assam

**ADDRESS OF COMMUNICATION** : The Principal DCB Girls' College, Jorhat

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**Principal DCB Girls' College. Jorhat**

**TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR  
LANGUAGE LAB AT DCB GIRLS' COLLEGE**

**INSTRUCTIONS TO BIDDERS**

1. Bids shall be valid for a minimum period of 120 days after the due date.
2. Maximum Project duration from the date of issue of work order must be within 2 months
3. 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.
4. Bids submitted by FAX/EMAILS will not be considered at all. Such tenders will be rejected without any notice to the bidder.
5. The College will preferably deal only with Companies/Firms who have their service centre/support infrastructure located in Assam.
6. The quotations shall include all specifications as detailed in the tender. Silence in any of the specifications will be interpreted as non-conformity with purchaser's requirement. Tender enquiry may make this point clear to avoid further correspondence seeking clarification.
7. The rates quoted should indicate clearly all applicable taxes and should be in INR.
8. If required, bidders will be invited to give a presentation in DCB Girls'College on the proposed item. However, concerned vendor will have to bear his/her own cost of travel to ATI.
9. The tender is liable to be ignored if complete information is not given therein or if the particulars and date (if any) asked for in the terms and conditions are not mentioned.
10. All the pages of the bid should be signed along with company's seal.
11. The College authority reserves the right to reject any or whole quotations without assigning any reasons thereof and does not bind itself to accept the lowest quotations whatsoever.
12. That in case of any disputes between concerned parties under the contract dispute shall be settled through amicable resolutions and if not then only court of **Jorhat** will have exclusive jurisdiction to try and entertain suits between the parties under the Contract.

**TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR  
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**TERMS AND CONDITIONS**

1. Rates should be valid for a period of 45 days from the date of the opening of the price bid and that the College may give orders or repeated orders during this period.
2. The College Authority reserves the right to only procure some items at a time.
3. Payment of 50% of the Order Value Can be made in advance if the items are of Foreign Origin. Remaining 50% on successful Installation
4. The terms and conditions of the tender are binding on both the parties

**DETAILS OF BIDDER**

<b>Sl. No.</b>	<b>Required Details</b>	
<b>1</b>	Name of the Bidder	
<b>2</b>	Address of the Bidder	
<b>3</b>	Contact No.	
<b>4</b>	Fax No.	
<b>5</b>	Mobile No.	
<b>6</b>	Email	
<b>7</b>	Name of Authorized Signatory	
<b>8</b>	Sales Tax /CST No.	
<b>9</b>	Income Tax No. /PAN/ GIR No.	
<b>10</b>	Year of Establishment	
<b>11</b>	Name and address of Banker	

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**Signature of the Tenderer**  
**With stamp and date**

**TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR  
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**ELIGIBILITY CRITERIA FOR PARTICIPATING IN THE TENDER  
(Valid & Up to date Documentary Evidence to be enclosed point wise)**

1. The Bidder must have been in the IT Business for at least 3 year.
2. Copy of PAN Card & Sales Tax Registration, should also be submitted along with the offer.
3. The registration number of the bidder along with the CST Number & TIN Number allotted by the Sales Tax Authorities must be given in the tender bid.
4. The OEM should be an established vendor with presence in India for the last 5 years;
5. The Data sheets / Cross reference documents and technical documents submitted should be available on the global websites of the respective product manufacturer and the URL links to the respective documentation should be provided in the compliance statement. Any document which is not available on the Global website of the OEM would be treated as invalid document submitted and noncompliance against the technical specification asked in the tender.
6. OEM's authorizing multiple bidders for the tender should ensure all the authorized bidders quote 100% compliant BOM and the BOM should be same with the same part codes with all the Authorized bidders.
7. Preference would be given to Bidders who is ISO 9001:2008; 14001:2004 Certified & NSIC Registered.
8. The Bidder must have installed & completed 5 or more Language Lab Projects at Colleges and all Universities of Repute across Assam & NE.
9. The bidder must show demonstrative evidence of conducting Training of such solutions.
10. Commercial Bid Should be submitted in following format

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**Commercial/Price BID**

Sr. No	Item Name	Make	Quantity	UOM	Unit Cost(Rs)	Total Cost(Rs)

**Bill of Material**

Sr. No	Item Name	Quantity	UOM
<b>Software</b>			
1	Software For Language Lab ( one Teacher Console and 30 Students)	1	Unit
<b>Hardware</b>			
2	Ethernet Virtual Desktop	20	Nos.
3	Monitor	20	Nos.
4	Key Board / Mouse	20	sets
5	Headphone with Microphone	21	Sets
6	Server	1	No.
7	Laser Printer	1	No
<b>Networking Equipments</b>			
8	24 Port Switch	2	Nos.
9	24 Port Patch Panel	2	Nos.
10	6U Rack	1	No
11	Information Outlet with Surface Mount Box	21	Nos.
12	1 Mtr Patch Cord	21	Nos.
13	2 Mtr Patch Cord	21	Nos.
14	Cat6 Cable	1	Roll
15	I/O Box	21	Nos.
16	RJ-45 Connector	2	Set
17	Casing Capping of Cat 6 Cable	500	mtrs
<b>Power Back-Up</b>			
18	5 KVA Online UPS	1	No.
19	Installation	1	Job

# TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR LANGUAGE LAB AT DCB GIRLS' COLLEGE

## Technical Specification for Language Lab

### **SOUNDS OF ENGLISH:**

Contains 44 sounds of English ■ Vowels, diphthongs, consonants and diagraphs ■ Words and Exercises ■ Listen and Repeat the lesson ■ Graphical Comparison of Repeated Lesson ■ Self Assessment ■ Send to Teacher for Evaluation.

### **PICTURESQUE WORDS:**

1000+ words with illustrated images & Exercises ■ Unlimited opportunity to Listen ■ Repeat ■ Compare before Sending.

### **MEANINGS AND SENTENCES:**

Meanings of different words and their usage ■ Listen ■ Repeat ■ Compare and Send ■

Teacher can get instantaneous score of the exercises.

### **MASTERING PRONUNCIATION:**

100+ lessons with 2000 plus words ■ helps to master the pronunciation skills ■ Video lessons ■ Listen ■ Repeat ■ Compare and Send

### **EXPRESSIONS:**

Extensive list of widely used English expressions ■ Idioms ■ Phrases ■ Exclamations and Clinches ■ Listen ■ Repeat ■ Compare and Send

### **SITUATIONAL DIALOGUES:**

Situational conversations with video ■ Listen ■ Repeat ■ Compare and Send ■ Role plays.

### **COMPREHENSION:**

Comprehension with audio, script and record ■ Listen ■ Repeat ■ Compare and Send.

### **POETRY MASTERS:**

Classical poems of renowned poets ■ Audio/video scripts ■ Listen ■ Play file ■ Stop ■ Play Recorded File ■ Send

### **SHORT FICTIONS:**

Short fictions of famous writers ■ Audio/video scripts ■ Listen ■ Play file ■ Stop ■ Play Recorded File ■ Send

# TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR LANGUAGE LAB AT DCB GIRLS' COLLEGE

## ESSAY BUILDERS:

Essays to improve the listening, reading and speaking skill ■ Exercises ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## SPEECH CRAFTS:

Speeches of world leaders ■ Audio/video scripts ■ Exercises ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## LECTURE SERIES:

Lectures from professional teachers ■ Various academic topics ■ Essential English grammar ■ Systematic and intensive subject based videos/audios ■ Exercises ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## DOCUMENTARY STORM:

World events to retrieve the concept ■ Audio ■ Video scripts ■ Exercises ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## MOVIE SPEECH-YARD:

Short video clips from familiar movies ■ Scripts ■ Exercises based on dialogues and narrations ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## NEWS HUNT:

News contents ■ Resourceful audio/scripts ■ Exercises ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## TELEPHONE ETIQUETTES:

Situational telephonic conversations ■ Listening/ reading with audio/scripts ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

## C.V. BUILDER:

Professional C.V. ■ Sample resumes of people from various professions ■ Read ■ Write ■ Send

## E-MAIL ARTERY:

e-mails for different purposes ■ Read ■ Write ■ Send

## LETTER WRITING GUIDE:

Collection of letters to categorize the content usage ■ Read ■ Write ■ Send

## REPORT MAKER:

Techniques for writing professional reports ■ Scripts with methodological approach to elaborate the writing skills ■ Read ■ Write ■ Send

## DEBATE FRAMEWORK:

## **TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR LANGUAGE LAB AT DCB GIRLS' COLLEGE**

Audio/video files of professional debates ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

### **GROUP DISCUSSION:**

Quality audios/videos with the technique of winning a group discussion ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

### **INTERVIEW FACTS:**

Contains interview sessions enabled with audio/video scripts, that helps the students in building confidence while attending interviews.

■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

### **PRESENTATION DELIVERY:**

Contains high standard audio/video of professional presentation, that helps the students to identify their body language, sound and tone variations while giving a presentation.

■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

### **ART OF PUBLIC SPEAKING:**

Finest speeches by the world leaders with the core concept of public speaking ■ Listen ■ Play ■ Stop ■ Play Recorded File ■ Send

### **OTHERS:**

Multi Lingual Platform with the basic contents of foreign languages .



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**Specification for Ethernet Virtual Desktop**

<b>HARDWARE</b>	
DISPLAY RESOLUTION	Normal Display Resolutions (16 or 24 bit color) @60Hz 640x480,800x600,1024x768, 1280x1024 and 1600x1200
MONITOR POWER- SAVE MODE	Supports power-saving mode with VESA-compliant monitors
NETWORKING	10/100 Mbps Switched Ethernet
AUDIO	12 bit stereo audio input/output via 3.5 mm stereo jacks
MULTIMEDIA SUPPORT	Hardware-accelerated 2D graphics, hardware-accelerated video support for most media formats on stand-alone media player applications and browser based video
DATA SECURITY	No local data storage on device.USB data access controlled by user or device policy
RELIABILITY(MTBF)	>100,000 hours(calculated using Bell core issue 6 TR-332, Case 2,Part 1 at 40 degree Celsius)
CERTIFICATIONS	FCC Class B,CE,KCC,RoHS
ENVIRONMENTAL	0 to 40 degree Celsius 10 to 85% relative humidity(non-condensing) No moving parts permits use in high dust/particulate/vibration environments

**Specification for Headphone and Microphone**

Sl. No.	Details	Required Specification
<b>Headphone</b>		
1	Frequency Range	20Hz to 20 KHz
2	Impedance	320 Ohms +/- 10%
3	Sensitivity	105 db s.p.l @1 KHz +/- 2%
4	Jack	3.5 mm Stereo
<b>Microphone</b>		
1	Frequency Range	20 Hz to 10 16 KHz
2	Impedance	2K Ohms

# TENDER DOCUMENT FOR DESIGNING, SUPPLY, INSTALLATION & COMMISSIONING FOR LANGUAGE LAB AT DCB GIRLS' COLLEGE

## Specification for Server

Product Form Factor : Mini tower

Embedded Security : Trusted Platform Module (TPM 1.2) Security Chip

Server Scalability : 1-way

Internal Bays Qty : 4

Front Accessible Bays Qty 1

### **Processor / Chipset**

CPU Intel Xeon E3-1225V3 / 3.2 GHz

Max Turbo Speed 3.6 GHz

Number of Cores Quad-Core

Chipset Type Intel C226

Processor Main Features Intel Turbo Boost Technology 2

### **Cache Memory**

L3 cache - 8 MB

Cache Per Processor 8 MB

### **Storage**

HDD 1 TB SATA

### **RAM**

DDR3 SDRAM - ECC

1600 MHz

Configuration Features 1 x 4 GB

### **Memory**

Max Supported Size 32 GB

Form Factor DIMM 240-pin

Slots Qty 4

Empty Slots 3

### **Environmental Parameters**

Humidity Range Operating

20 - 80%

### **Hard Drive**

Type

HDD

Interface Type

SATA

Spindle Speed

7200 rpm

### **Storage Controller**

Interface Type

Serial ATA-600 / Serial ATA-300

Channel Qty 4

### **Input**

Type none

### **Processor**

Installed Qty 1

Max Supported Qty 1

### **Monitor**

Monitor Type : 18.5 " TFT

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**TECHNICAL SPECIFICATIONS FOR 24 PORT SWITCH**

Sl. No.	Types of services	Required Specification
1	Switching capacity	48 Gbps
2	Forwarding capacity Forwarding	35.7 mbps
3	Junbo frame Support	Support for Jumbo Frame 9216 bytes
4	Priority Services	4 Hardware Priority queues
5	Scheduling	Priority queuing and weighted round-robin (WRR)
6	Class of service	802.1p priority based

**ANNEXURE-IV**

**TECHNICAL SPECIFICATIONS FOR 5 KVA ON-LINE UPS WITH ISOLATION TRANSFORMER & 60 MINS BACK-UP**

Sr. No.	Description	Technical Specification
1	Capacity (in kVA / kW)	5.0 kVA/4.0 kW Single Phase Input / Single Phase Output
2	Technology and Capability	a) True Online configuration with double conversion UPS with Micro Control Based
		b) UPS should be designed at Rated PF of 0.8 Minimum i.e. 5 kVA / 4 kW UPS rating
	(1Ph Input & 1Ph Output)	(Isolation transformer should be provided on the input side of the UPS systems), Input Voltage range should be minimum 160-300 V AC
3	Model Name & Number	
4	<b>Input</b>	
4.1	Input facility -Phases / Wires	1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground)
4.2	Input Voltage Range	230V 160 - 300V AC (On 100% Load) 160 - 300V AC (On 100% Load) 110 -300 VAC (On 50% Load condition)
4.3	Input Power Factor	0.99 on Full Load
4.4	Input Current Harmonic Distortion (THDi)	< 10%
4.5	Generator Compatibility	Compatibility to genset supply required
5	<b>Output</b>	

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5.1	Nominal Output voltage	230 V
5.2	Output Voltage Regulation	±1%
5.3	Nominal Output Frequency	50Hz ± 0.1 Hz
5.4	Output Frequency Regulation	47.5 to 52.5Hz
5.5	Output Wave Form	Pure sine wave
5.6	Output Voltage Distortion (THDv)	<2% Linear Load
		<5% Non Linear Load
5.7	Crest Factor	,3:1
6	<b>Efficiency</b>	
7	<b>AC/AC (overall efficiency)</b>	Up to 92%
	(Double Conversion)	
8	Overload capacity	
	105 - 110%	3 min
	111 - 130%	30 sec
9	<b>Battery Backup</b>	
	Backup Required	60-Minutes On full load
	Battery Bank Voltage	192-240V DC
	Battery Bank Van	<b>8064 VAH for 1 Hrs backup</b>
	Batteries Type (VRLA)	Sealed Maintenance Free (SMF) - 12V Cells
	Battery Details	16Nos. 12V/42AH
	Battery Makes	Amara Raja (Quanta make) / Exide
		Exidepowersafe
10	<b>Communication</b>	
	RS232	Available
	<b>Intelligent slot</b>	<b>Optional - SNMP</b>
11	Operating temperature	0~40°C Continuous
12	<b>Electrical</b>	
	Input terminal	Input Breaker + Terminal
	Output terminal	Terminal
13	<b>Features</b>	
	Converter mode	Available
	Bypass parameters configurable	Available

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14	Display	LED + LCD Display
15	<b>Mechanical</b>	
	Ingress protection	IP 20
16	<b>Mandatory Requirement</b>	
	Standards	
	Safety	EN 62040-1
	EMI / EMC	EN 62040-2
	Performance	IEC 62040-3
	Certification	CE
	Certification	ISO 9001 : 2008
	OSHAS	BS OHSAS 18001:2007
17	Warranty	1 Year On UPS & batteries