NOTICE INVITING TENDER

The Nowgong Girls' College, Nagaon and B. N. College, Dhubri, Assam Jointly invite Sealed Tender from Bonafide & resourceful System Integrator Firms for supply, installation and End-to-End Integration for Procurement of "Online E-Language cum Multimedia Lab" funded by NECTAR at Nowgong Girls' College, Nagaon and B. N. College, Dhubri. Bidding details i.e. items specifications, job description, Terms and conditions will be available in the college websites "nowgonggirlscollege.edu.in" and "bncollege.co.in" from 14th June 2021.

The interested organization may submit their bids in the form of two bid system in English language by 4th of July, 2021 up to 1:00 PM. The bidder has to pay a bidding fee (non-refundable) in favour of the Principal, Nowgong Girls' College, Nagaon, Assam. The quoted Bids will be opened on next working day.

Sl.No.	Name of the Items	Tender Value (in INR)	EMD value (in INR)
1	Supply, installation and End-to-End Integration for Procurement of "Online E-Language cum Multimedia Lab" of The Nowgong Girls' College	25,00,000.00	2% of offered bid Price for General Or 1% of offered bid Price for ST/SC/OBC Or 0% for MSME UAC Holder

#	Event Name	Opening Date	Ending Date
1	Notification of the Tender	14.06.2021	
2	Collection of tender Paper	14.06.2021	
3	Pre-bid Quarry Submission	16.06.2021	22.06.2021
4	Clearance of Pre-bid Quarry	24.06.2021	25.06.2021
5	Bid Submission	26.06.2021	04.07.2021
6	Opening of Technical Bid for Evaluation	06.07.2021	
7	Opening of Financial Bid for Evaluation	To be Announced	

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S/d

Dr. Dhruba Chakrabortty
Principal
B. N. College, Dhubri

S/d

Dr. Balin Kumar Bhuyan
Principal
Nowgong Girls' College, Nagaon

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1.   Availability of the Tender:

1.1   Supply, installation and End-to-End Integration for Procurement of "Online E-Language cum Multimedia Lab" at Nowgong Girls' College, Nagaon and B. N. College, Dhubri Tender document along with bid document can be downloaded from nowgonggirlscollege.edu.in.

1.2   The bidder shall bear all the costs associated with the preparation and submission of the bid. The " Nowgong Girls' College, Nagaon and B. N. College, Dhubri " shall, in no case, be responsible or liable for these costs, regardless of the conduct or the outcome of the bidding process.

2.   Language of Bid/Contract:

The language of the bid shall be in English and all correspondence in this regard shall be in English language.

3.   Eligibility Criteria of the bidders:

3.1   The bidder should have never been blacklisted or debarred by any Central/State Government Departments/Undertaking Bodies/Autonomous Bodies/PSUs from carrying out similar work/business.

3.2   Offers without satisfying eligibility conditions will be out rightly rejected and no correspondence in this regard will be entertained.

3.3   Pre-Qualification cum Technical Bid: The "Pre-Qualification Bid" shall contain all details regarding the terms & conditions offered by the bidder, compliance of terms and conditions with valid essential documents as

i.   GST registration certificate (From - 6) with last clearance of GST Retune on due date.

ii.   ITR return with audited balance sheet for last three (3) financial years.

iii.   Organization Establishment Certification through Govt. authorized official.

iv.   If MSME Udhyog Aadhar submitted than tenderer get extra mark on the marking table.

v.   Authorization of Manufacturer specifically Addressing to the Principal of the college for Language Lab Platform software, Hosting Server, LED Panel, 4K PTZ Camera, Online UPS and General Manufacturer Authorization for Desktop Systems, NAS and all consumable Networking Products & Accessorises.

vi.   There must be an undertaking from the concerned manufacturer guaranteeing after onsite sales service for Three Years.

vii.   Minimum 3 (There) Work Experience of similar kind of work in reputed college/institutions/Government Departments.

3.4   When tenders are submitted by authorized distributors/supplier, the name of the manufacturer shall be mentioned against each item for which rate is quoted.

3.5   In case of failure of the successful tenderer to execute supply order(s) within the time allowed, the Security Deposit will be forfeited in part or in full, depending on the nature of the case, in absence of any justifiable reasons e.g. Natural calamity.

4.   Validity of the Bid:

4.1   The bid will be valid up to 45 days from the date of bid submission.

5.   Tender Fee/Earnest Money Deposit/Security Deposit for the Bid:

5.1   Tender Fee: Rs.1000/- (Non-refundable) to be payable through DD in-fever of Principal, Nowgong Girls' College.

5.2   Earnest Money Deposit (EMD): Bidder's need to payable through DD an EMD value 2% of offered bid Price for General or 1% of offered bid Price for ST/SC/OBC or 0% of offered bid Price MSME UAC Holder.

6.   Eligible for financial Bid:

6.1   Only the 3(Three) Highest Marked Bidders, who fulfil the eligibility criteria mentioned in the technical bid marking table of out of total marking system.

7.   Contents of the bid document:

The bidders shall submit their bids with item wise in two covers, Cover- I 'Technical Bid' and Cover-II 'Financial Bid' with necessary documents as follows.

7.1   Cover-I (Technical Document):

i)   Technical Specification details of each item.

ii)   Detail Implementations time-line.

iii)   Detailed Components workflow map and training schedule.

iv)   Organization Establishment Certification.

v)   PAN card.

vi)   GST registration certificate.

vii)   ITR returns last financial year.

viii)   MSME Udhyog Aadhar (if applicable).

ix)   Cast certificate (if applicable).

x)   Authorization of Manufacturer as mentioned in point no 3_3.3_iv

xi)   Bidder's declaration as Annexes attached with this document

xii)   Documents in support of Bidder's recent and past supplies price tag for similar item/work.

xiii)   Prestation of past completed works.

xiv)   Products detail Datasheets.

xv)   Signed DNIT.

xvi)   Softcopy (in .pdf format) of all summitted Hard-copy

Note: Financial bid of the bidders who do not fulfil the above technical bid requirements shall not be opened. The required document asked for in Cover-I should be submitted strictly as prescribed.

7.2   Cover-II (Financial Document):

i.   Bill of Quantity (BOQ).

Note: When tenders are submitted by authorized distributors/supplier, the name of the manufacturer shall be mentioned against each item for which rate is quoted.

8.   Extraneous term condition:

Bidder should accept all the terms and condition of the tender unconditionally and if they impose any extraneous term condition or offer any conditional discount, tendering authority reserve the right to declare the bid informal.

Submission of tender without requisite documents as per terms & conditions of DNIT will be treated as invalid one.

1.   Earnest money shall be refunded to all unsuccessful tenderers after final decision about acceptance of tender.

2.   Any penal action imposed by the Government for breach of terms of contract shall be final and binding on the part of the supplier(s)/Tenderer(s).

3.   If other than L1 Tenderer technically better viable by the procurement committee then L1 may not be eligible for award this tender.

4.   No interest can be claimed in case of delay in making payment beyond the stipulated period of payment.

5.   The undersigned reserves the right to reject or accept any tender including the lowest one partly or wholly without assigning any reason if necessary.

6.   Tender can be cancelled at any point of time by the department without any prior notice.

7.   No charges towards loading and /or unloading of the item will be entertained.

8.   The payment will be made in Indian Rupee only.

9.   **Completion of work**: Within 30(thirty) days from the date of received of firm supply order.

10.   **Installation & Training:** The relevant technical support personnel at site should provide installation of the ordered equipment and provide onsite operational training at least for 30 days

14.   Quoted equipment should be in existence for at least 05 years without being declared end of life.

15.   Operational manual technology charged and other documents should be given free of cost if any.

16.   Licensed software (CD/DVD) should be provided free of cost if any.

17.   **Warranty: 3(Three) years Guaranty from the date of Commission.**

18.   The item wise quantity to be supplied may increase/ or drop according to the actual requirement/availability of fund.

19.   Payment will be done separately by the individual colleges as per their supplied Items.

Schedule of Supply detail of Procured Items:

#	Component Details to be delivered to Nowgong Girls' College, Nagaon	Unit
1	Language Lab Platform Software 1+40 Consoles (500 Students)	Package
2	Hosting Server (LL Software)	1 No
3	NAS	1 No
4	SMART LED TOUCH PANEL	1 No
5	4K CAMERA	1 No
6	DESKTOP PC	10 Nos
7	LAN Installation	1 Job
8	6 KV UPS	1 No

#	Component Details to be delivered to B. N. College, Dhubri	Unit
1	SMART LED TOUCH PANEL (65")	1 No
2	4K CAMERA	1 No
3	DESKTOP PC	10 Nos
4	LAN Installation	1 Job
5	6 KV UPS	1 No

SCHEDULE – 3 INSTRUCTIONS TO THE BIDDERS

1. Bidder shall take separate print out of the formats of Declaration **(Annexure-1)**, Appendix Y and other documents (statutory documents) including **item wise** technical specification. She/he shall fill the necessary information & put signature with stamp/seal. If any of the certificate/documents furnished by the Bidder, found to be false/fabricated/bogus, the bidder will be liable to blacklisted and their E.M.D. will be forfeited.

2. Do not quote any rate anywhere in DNIT.

3. Last date/time for submission of the Bids: Bids must be submitted within the Bid submission start and end date and time specified in DNIT.

4. Tender shall not be accepted for the product/products for which the concerned company has been blacklisted/banned/debarred either by Tender inviting authority of Govt. of Tripura or by any other State/Central Govt.

5. The concerned company/firm who stands blacklisted/banned/debarred either by Tender inviting authority or Govt. of Assam or by any other State/Central Govt. and its procurement agencies on the date of bid submission shall not be eligible to participate in the tender.

6. Bid Opening: The bid will be opened by the designated bid openers at the office of the Principal, Nowgong Girls' College, Nagaon, Assam. Bids shall be scrutinized in accordance with the conditions stipulated in the Bid document. In case of any discrepancy of non-adherence conditions, the Bid accepting authority shall communicate the same which will be binding both on the bid Opening authority and the Bidder. In case of any ambiguity, the decision taken by the Bid Accepting Authority on bids shall be final.

7. Bid Evaluation & Comparison of Bids: All the statement, documents, certificates, shall be submitted by the bidder will be verified, for evaluation of bids. The clarifications, particulars, if any, required from the bidders, will be obtained by addressing the bidders. **Bids will be evaluated against the specified parameters/criteria same as in the case of conventional bids and the qualified bidders will be identified.**

8. **Explanation/clarification of tender:** If any bidder requires any explanation or clarification of any term condition of the tender, it must be sought from the tendering authority before participation in the tender. The clarification may be in the form of letter head or through email and reply through email will be treated a clarification against any queries.

ANNEXURE-1

DECLARATION

I do hereby declare that I have personally gone through the relevant Detailed Notice Inviting Tender (DNIT) and understood all the clauses, specifications of tendered items, instruction of the DNIT and having been fully satisfied I have quoted the rate of the item/items. This is further to certify that I have suppressed no facts in the tender which could debar me to participate into the tender. If it is revealed after opening of the tender that any fact is suppressed by me, tendering authority shall have the right to reject my tender along with other punitive action against me as per term condition of the tender. I do affirm that all the term condition of the DNIT is unconditionally accepted by me.

Signature of the bidder
Date:

Appendix - X (Declaration of non-Blacklisting)
(To be submitted on official letter head)

Declaration by the Bidder

Place   :
Date   :

To
The Principal,
Nowgong Girls' College, Nagaon/ B.N. College, Dhubri
Assam

Subject: Self Declaration of not been blacklisted in response to the NIT for supply and installation for supply, installation and End-to-End Integration for Procurement of "Online E-Language cum Multimedia Lab" at Nowgong Girls' College, Nagaon and B. N. College, Dhubri

Ref: NIT No.

Dear Sir,
We confirm that our company or firm, is currently not blacklisted in any manner whatsoever by any of the State or UT or PSU and or Central Government in India on any ground including but not limited to indulgence in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice as on <last date of bid submission>.

(Signature of the Lead Bidder)
Printed Name/Designation/Seal
Date:
Place:
Business Address:

Appendix Y (Financial Bid)
Bill of Quantity (BOQ) Format

SL No	Name of Product with details of Brand/Model	Qty	UoM	Price without GST (in INR)	GST (in INR)	Total Amount
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
Value In Word:					Grand Total	

ANNEXURE – 2

Products details with specification and Quantity

#	Products and Configurations Details	Offred Model/Brand	Qunty.	UoM
Core Components				
1	**Language Lab (LL) Platform Software (1+40) or (1+20) Consoles (500 Students)**		**1**	**Package**
	Software must be the option for Console's upgradation and work on the online web base processing engine.			
	General Features:			
	• Listening, Speaking, Reading & Writing (LSRW)			
	• Listen, Respond, Record, Evaluate & Monitor			
	• Lessons in Text, Audio and Video formats			
	• Self-assessment, Homework & eExam			
	• Save repeated lessons on Instructor module			
	• eAssignments (Assign, View and Evaluate Assignments)			
	• Graphical Representation or Voice Comparison			
	• Intercom (One on One Text & Audio Chat)			
	• Communicator (One to Many Text & Audio Chat)			
	• Supervisor (Real-time monitoring of students by activity indicator)			
	• Incognito Listening (Listen-to live voice of Student)			
	• Alert (Instructor's help required Indicator through text/audio chat)			
	• Student Performance and Attendance Reports			
	• Lesson Studio (Create Lessons in Text/Pdf/Audio/Video formats)			
	• Exercises with instant scoring			
	• Submit files to Instructor module for Evaluation			
	• Parents Login & Management Login			
	• Multilingual Interface			
	• Supports on any OS (Windows/LINXUS)			
	• Online or Cloud support			
	• LAP/TAB/ N-Computing / Thin Client support Integrated study materials			

Users and their rights (General):

- Cloud/LAN compatible Digital Interactive Language Lab Software of latest version with license. LSRW should be compatible for Indian Learners, capable of creating new modules in new languages compatible with English UK, Australian and Indian.
- The module should have separate password protected login for a) Management b) Teacher and c) student with functions described as - a) Management 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. b) Teacher login should have the following functions.

Interface functions: -

- Should be able to communicate with an individual student without disturbing others through audio/video/text and similarly, students should have the option to talk to the teacher personally, to broadcast messages to selected students, a group or to a whole class by instant messaging, audio and video chatting and real-time monitoring of students' activity
- Teacher should be able to control the student's computer from their own desk and Shutdown, Reboot, Logoff, Lock screen, Enable/Disable Input (keyboard &mouse)
- 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
- The teacher should be able to group students temporarily so that the students can communicate with each other by using text that 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 stream online internet videos/movies for showing it to 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 software should have 5 levels of Login IDs (Teachers, Students, Parents, Management, and Administrator) and there should be Password controlled login IDs for HOD, Principal, Teachers and Students, District

Functionaries/ Administrator. Also there should not be any restriction for creating login IDs for teachers and students • There should be a tool to enable the teacher to view students directly through their webcam to evaluate in a better way on the learning progress of the individual student • The Teacher software should have a facility to share the screen to the students • The teacher should be able to create and assign homework to students. The students should be able to download these files and work at their convenience and upload to teacher when completed. • The teacher should have real-time monitoring of students' activity. Incognito supervision of students' activities by listening discreetly to the voice of the selected students • The teacher should have real-time monitoring of students' activity. Incognito supervision of students' activities by listening discreetly to the voice of the selected students • The teacher should have the option to emulate a normal classroom whiteboard, where the teacher can type or draw on the board and send that to a single, a group or to all students • The software should have Web based dashboard content monitoring facility • The Teachers should have Exam (Paperless Exam) in the form of MCQs, True or False, Fill in the blanks • Content development functions: • The teacher should be able to create and assign lessons/works to selected students, a group or to a whole class • The teacher should be able to create online exams and conduct them based on the assigned audio/video lessons. • The teacher should be able to create and assign home work to students: Online and Offline Home Work, Reading and writing assignments • 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 generates cores automatically • Most of the clients should be Indian Clients • The software should be with one-year onsite warranty and should include delivery, onsite installation, on site trainings (minimum three on site trainings to teachers which include real time class room trainings in presence of students) and 24/7 online support services • Student login: The software should be compatible to handle minimum of 30 students at the same time with separate login. The students should be able to download the assignments and work at their convenience and upload				

to teacher when completed. The students should be able to discuss with their group members with the permission of the teacher.

- Experience: The Company should be trained with 50,000 plus students in the last 3 years. 2017-18, 2018-19, and 2019-20. And also, it should be worked with various government organizations both state and central Government projects for providing English language training to students of schools.

Contents and Learning module:
Learning modules should be in compliance with CEFR -5000 plus hours of learning materials divided to 100+ modules with 1000s of Lessons arranged in minimum 6 levels as Beginner, Elementary, Intermediate, Advanced, Proficient and Expert.

The contents should include Vocabulary Builder, Common Expressions, Fun, Comedy & Cartoons, Situational Conversations, Poetry Master, Stories & Fiction, Monologues, Movies & T.V Shows Motivational Speeches News & Media, Debates & Presentations, Comprehension – Listening, Reading, Essential English Grammar, Classroom Etiquette, Telephone Etiquette, Common Errors in Spoken English, Polite English phrases for good social skills, Body Language – Do's & Don'ts, Poise & Posters, Email Artery, Letter Writing, Report Writing, C.V Builder, Interview Tips, Group Discussions, Public Speaking, Debates & Presentation –

Career Lab Course modules should be based on 6 Levels with Exercise and answer bank with instant Scoring.
"Creating Confidence, Self Esteem, Self-Concept, Self-Acceptance, Personality Development, Goal Setting, Motivation, Self-Actualization, Attitude to Success, Problem Solving, Positive Thinking, Understanding Internships, how to make a great Resume, Prioritize your work, Team work, Career Guidance, Body Language,

Higher Education - Studying Abroad, Attitudes and its importance, How to prepare well for Examinations, Time management, Decision Making, How to use internet for great jobs, Group Discussion, Presentation Deliver, Understanding Various Job Options, Formal Letter Writing, Public Speaking, Debating.

**Every module should have mention above the exercise with MCQ Answers
**The software should include the tool to evaluate the Student Proficiency Level Test, the content materials should be ILT or CBT.
** Language Lab should provide the User Certificate for Instructors & Learners.
** The teacher should be able to make the facility of Student Promotion.
The teacher should be enabled with Grammar Check Engine. The software needs to be Blind/Hearing Impaired Students Friendly
** Language Lab should require 10+ Integrated Languages. (German, French, Spanish, Italian, Hindi, Sanskrit, Chinese, Greek, Portuguese, Arabic).
** The teacher should able to make Graphical Analysis

	** The software should have pronunciation and accent training features with accuracy ** Multiple choice questions should be given after each module. ** The multiple-choice questionnaire can be created for different subjects ** The software should be provided with Voice Insertion. ** The teacher should be able with Speech Craft. ** The teacher should be able with tool of Text-to-Speech. ** The software should cover all 44 sounds of English with animated lip/ mouth movements, with practicing exercise ** The Software should be able to record Student's video ** The software should have public speaking practicing for students with recording **Language lab should provide Multi-Lingual interface." **License & Hardware:** • Lifetime perpetual License should be given. • The software should support with Teacher-led & Self-study Modes. • The software should enable Data Security, Back-up & Easy Recovery. • The software should support windows/Linux/Cloud Server/Thin Client user or tablets and also support • Software must provide LSRW activities in normal mobile phones without using the Mobile app • The software should have the ISO 9001 certification			
2	**LL software Hosting Server**		1	No
	Processor - Intel Xeon Gen 10 E- 2124 or higher RAM – 16 GB DDR4 or higher Hard Disk – 500 GB SSD with 2 TB SATA or higher Tower Formfactor or 2U rack fitting Network Controller - 1Gb 2-port 332i network Adapter or BCM5720 Expansion Slots - 2 PCIe 3.0 Storage Controller - Dynamic Smart Array B140i Controller Power Supply - 290W FIO Power Supply or 900W AC 240V DC Redundant Power Supply			
3	**Smart Touch LED Panel**		2	Nos
	Basic Config: Active Screen Size ("inch) - 65" or higher Display Backlight – LED Display Ratio – not less than 16:9 Pixel Resolution – not less than 1920 X 1080			

	Contrast Ratio - not less than 3800:1 Touch Surface Material – Tempered glass Touch Surface Technology – Anti-Glare glass Brightness - not less than 340cd/m2 Screen Type - TFT LCD (Direct LED Backlight) Viewing Angle (H x V) - 178 x 178 Response Time - 8ms Protection Glass - Heat tempered (Anti- Glare) Ambient Light Sensor - Should be present Multipoint touch - Continuous 10-point minimum Angled Centre Console Should have Power Touch Screen Writing Tools - Nano Pen (>6mm width) included or Finger Inbuild OPS with the Configurations of: Processor - Intel Core i5 8th Gen or Higher RAM – 16 GB DDR4 or higher Hard Disk – 240 GB SSD OS -Win 10 Pro original (OEM) Push mount fitting			
4	**4k PTZ Camera**		2	Nos
	Sensor - The camera sensor should be 1/2.7'', CMOS, Effective Pixel: 2.07M or better. Dual stream - Support two stream outputs (YUV, MJPEG, H.264 each of both), reduce the host codec pressure White Balance - Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push Minimal illumination - 0.5 Lux @ (F1.8, AGC ON) Lens - 10x, f4.7mm ~ 46.3mm, F1.8 ~ F2.8 Low-light - High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions. Digital Noise Reduction - 2D&3D Digital Noise Reduction Back Light Compensation - The camera should have a selectable Back-light compensation S/N ratio - The camera should have a S/N Ratio of >55db or better Zoom - The camera should have a 10x optical zoom and 16x digital zoom or better Interface signal - The camera Video Output must support H.264 Slice/ H.264 SVC, Support Slice and SVC encoding mode, adapts to video, conference of advance USB application.			

	Signal support - The camera should support / frame rate video format 1080P@30fps or better Input/Output - 1xUSB for video out, 1xRS232 In: 8pin Min DIN, support VISCA/Pelco-D /Pelco-P Communication Interface USB Video Communication Protocol - UVC 1.0 Horizontal Range - The camera should have a Pan Rotation Angle of -170 degrees to +170 Degrees or better Vertical Range - The camera should have a Tilt Rotation Angle of -30 degrees to + 90 degrees or better Accessory - The camera should be supplied with IR remote control as an included accessory. Pre-set Accuracy - 0.1° Accessories - The camera should be accompanied with Power Cable, Power adaptors if any, USB cables and remote control				
5	**Desktop PC**			20	Nos
	Processor - Intel Core i3 or AMD Ryzen higher Dedicated Graphic processor – Nvidia 2GB DDR4 or higher Chipset - Compatible chipset with quoted processor Motherboard -OEM Motherboard with logo embossed Memory - 8 GB DDR 4 RAM expandable to 32 GB; Free minimum One DIMM slots Hard Disk - 1 TB Hard Disk Audio - High-Definition Integrated Audio Ethernet - Integrated Gigabit (10/100/1000 NIC) LAN & inbuilt Wi-Fi 802.11a/b/g/n/ac Slot - 1 x PCIex16, 1xPCIex1, 1xPCI, 1 M.2, Ports - Minimum 8 USB Ports (4 USB 3.1 Gen 1, 4 USB 2.0) out of which 4 USB ports should be in front for easy access (1) VGA video port; (1) HDMI Port (1) RJ-45 network connector (1) RS-232 serial port, 1 universal audio jack for headphone & MIC1 audio line in, 1 audio line out Form Factor - Tower/Small form factor Power Supply - 180 W or higher power supply with 90% efficiency Keyboard/Mouse - USB 104 keys keyboard (Same make as PC) USB 2 Button Scroll Mouse (Same make as PC) Operating System Windows 10 Pro (OEM) SecuritySATA port disablement (via BIOS) Serial, USB enable/disable (via BIOS Removable media write/boot control Power-On password (via BIOS) Administrator password (via BIOS) Setup password (via BIOS) Support for chassis padlocks and cable lock devices System Weight/ Volume Weight should be less than 9 KG and volume less than 9 L Monitor – 18.5" or higher				

	2.4 MP web-came or higher Wired headset, Stereo Headphones with noise-cancelling Microphone,3.5-mm Dual Audio Jack			
6	**Online UPS**		2	Nos
	Capacity (in kVA / kW) 6.0 kVA/4.8 kW Single Phase Input / Single Phase Output 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 (1Ph Input & 1Ph Output) Input Voltage range should be minimum 160-300 V AC Input Input facility -Phases / Wires 1-Phase / 2-Wire & Gnd (Phase & Neutral + Ground) Input Voltage Range 230V 160 - 300V AC (On 100% Load), 160 - 300V AC (On 100% Load) 110 -300 VAC (On 50% Load condition) Input Power Factor 0.99 on Full Load Input Current Harmonic Distortion (THDi) < 10% Generator Compatibility Compatibility to genset supply required Output Nominal Output voltage 230 V Output Voltage Regulation ±1% Nominal Output Frequency 50Hz ± 0.1 Hz Output Frequency Regulation 47.5 to 52.5Hz Output Wave Form Pure sine wave Output Voltage Distortion (THDv) <2% Linear Load <5% Non-Linear Load Crest Factor, 3:1 Efficiency AC/AC (overall efficiency) Up to 92% (Double Conversion) Overload capacity 105 - 110% 3 min 111 - 130% 30 sec Battery Backup Battery Bank Voltage 192-240V DC Battery Bank Van 5300 VAH for 30 mins backup			

	Batteries Type (VRLA) Sealed Maintenance Free (SMF) - 12V Cells Battery Makes Amara Raja (Quanta make) / Exide power safe Communication RS232 Available Intelligent slot Optional - SNMP Operating temperature 0~40°C Continuous Electrical Input terminal Input Breaker + Terminal Output terminal Terminal Features Converter mode Available Bypass parameters configurable Available Display LED + LCD Display Mechanical Ingress protection IP 20 Certification Standards Safety EN 62040-1 EMI / EMC EN 62040-2 Performance IEC 62040-3 Certification CE Certification ISO 9001 : 2015 RoHS Yes			
Non - Core Components				
7	**NAS for E-resource DATA Storage**		1	No
	Customizable Raid 0, 1, 5 and 10 6 TB Storage Dual core 1.6 GHz processor with 2GB RAM Stream all your videos, music and photos to DLNA certified devices			
8	**LAN and Installation**		2	Jobs
	As per project Lab room's requirements fix the college (Please consult with College Authority before bid submission)			

Technical Evaluation Marking Table

#	Technical Parameter	Max Point	Rewarded Points

1	Organizational Required Documentation:
	    a) Organization Establishment Certification.
	    b) PAN card.
	    c) GST registration certificate.
	    d) ITR returns last financial year.
	    e) MSME Udhyog Aadhar (if applicable).
	    f) Cast certificate (if applicable).
	    g) Bidder's declaration as Annexes attached with this document
	    h) Documents in support of Bidder's recent and past supplies price tag for similar item/work.
	    i) Prestation of past completed works.
	    j) Signed DNIT.
		20	

2	Product Specification with comprehensive warranty support:
	    a) Technical Specification details of each item.
	    b) Detail Implementations time-line.
	    c) Detailed Components workflow map and training schedule.
	    d) Prestation of past completed works.
	    e) Products detail Datasheets.
		40	

3	Methodology for installation/operation and Support for at least for 3 years support for post installation of the Network	30	
4	Past work experience and over all projected preparation	10	