

Request for Quotation

Request for quotation in sealed envelope is invited for supply, installation, and maintenance of “Communication Lab (e- Kaksh)” (Establishment, Hardware, Software networking equipment, operating system, Applications software, furniture, refurbishment, and trainer etc.) in one school of Patna district in an efficient and effective manner on Turnkey basis.

State Project Director

Bihar Madhyamik Shiksha Parishad (BMSP)
8th Floor, Bihar School Examination
Board, Budha Marg,
Patna, Bihar - 800001

Basic Information

Bihar Madhyamik Shiksha Parishad (BMSP) an implementing agency for RMSA in Bihar invites responses to this Request for quotation from agencies/authorized partners for supply, installation, and maintenance of “Communication Lab (e-kaksh)”. This project is of BMSP, Patna.

Project Description

a) Background and Scope of work

BMSP aims to establish Installation of “Communication Lab (e- Kaksh)” (also may be used for using of e-content) that enables teaching learning process interactive and effective. Department aims at establishing Lab which has smart class features and advantages which enables teachers and school to use the lab teaching multiple subjects. The said lab should be conducive to attract students for attending session and derive maximum attention. It should be equipped with audio-visual accessories and equipment to enable faculties to use modern teaching resources.

b) Technical Requirements

BMSP, Patna will consider responses from any vendor who can provide a solution that meets the requirements. Vendors should respond to each of the mandatory items listed below indicating how their product meets each listed requirement. Vendor should provide any appropriate marketing brochures and product descriptions to support their responses.

i. Software Environment

- It is expected that the system will provide audio visual enabled computer or related equipment to enabled smart class teaching.
- The preference is for in-house developed audio/video required for language learning.
- External resources in CD/DVD or any other format should be supported by provided software.
- There should be multiple mode of video output for different kind of resources.
- Appropriate software to be provided for Language learning of English and other language.
- The lab should be enabled for using it effectively at workshop, seminars, video conferencing and such events which requires computer compatibility with audio video

features.

ii. Hardware environment

- A single console operating system should manage operation of lab. The system should be programmable to form one-to-one to any number of groups of students as per requirement.
- It should have effective features for language learning parameters including analysis of voice, accent training, audio recording.
- A large screen Television and / Projector along with screen is needed for visual output.
- White board with stand should be included for facilitating faculties in teaching process.

c) **Specific Features:**

- There should be at least one Teacher console enabling Audio Chat (one-one/group).
- The said system should provide storage of course modules.
- Course modules should be originally developed.
- Courses should contain interactive pedagogies.
- To provide material to students for communication skills.
- The system should be easy enough to add new resources in future.

d) **HR - Training**

- The vendor shall manage and execute entire lab operation for one year including students and teacher training.
- The vendor shall give full-fledged training to human resources for effectively operating and using resources.
- Hand holding approach should be provided through email/telephone and other suitable mode to the faculties whenever required.

Expected hardware and other specifications are as follows:

Sl. No.	Hardware and other specifications	Rate
1	Computer based console with computer, UPS & necessary wiring, following add on, etc. (1) Digital Signal Processing facility for audio/video Playback / recording. (2) Audio channels connected to DSP through optical fiber cables. (3) Provision for creating individual	

	audio channels for 6 inputs & 32 outputs. (4) Self-contained for any audio/video application / video conferencing / e-Learning / Webinar, etc.	
2	Inverter (1 KVA Capacity)	
3	ACs with Fittings (Capacity: 1.5/ 2 ton each) Preferable Brand like LG, Daikin, Voltas etc.	
4	LED/LCD TV (48-56' size). Preferable Brand like Sony/LG/Philips. Supplied with all necessary accessories including wall mount kit	
5	DVD Player with Home Theatre 5.1 Sound System - Preferable Brand like Sony/LG/Philips.	
6	Head phone with socket & mic Preferable Brand like Rocky, Zebronics, I-Ball & Frontech.	
7	Non-magnetic, Dry Erase Marker white Board, with preferable size 3 x 4 / 4 x6 inches, High-glossy, Scratch-resistance and Easy eras ability.	
8	Digital Cards for generating audio channels through AD/DA Converter Connected using optical fiber Cables.	
9	Technical knowhow and Human Resourcing Training - one teaching faculty and one technical assistant for complete one year	
10	Licensed modules: Communicative English for Standard 9 th to 12 th . Licensed Software Windows 8, Scope, Cubase 5 Anti-Virus	
11	Refurbishment of room of 450 sq. ft. with false ceiling, painting, etc.	
12	Electrification: I. 2' x 36" Mirror optics with tube 5 II. 2' x 18" down light & CFL 10 III. ISI marked Wires, Switches & Metal Boxes, etc. IV. Wall fan (12" S.S.) 6 V. MCB, ELCB, etc. Electrification (Master Computer Console wiring with material)	
13	Course Material for Students - Hard Copy 50 Books	

Provided quote must be inclusive of all taxes.

Quotation must be submitted in a sealed envelope within seven (7) days from the publication of this advertisement on the following address –

State Project Director

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Patna, Bihar – 800001

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