

Government of Mizoram
SCHOOL EDUCATION DEPARTMENT

Tender document No: D.21016/15/2025-DSE(IT)/115, dated 10th July 2025



Bid Document

For

**The Implementation of
EDUCATIONAL INFRASTRUCTURE RELATED TO IT
PROJECTS IN 220 SCHOOLS ACROSS MIZORAM**

Implementing Agency:

**Directorate of School Education
Education Centre, Treasury Square
Aizawl – 796001, Mizoram
Phone: 0389-2326233, E-mail: dirsemz@gmail.com**

NOTICE INVITING TENDER

Selection of Implementation Partner for The Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram

No. D.21016/15/2025-DSE(IT)/115

Date: 10 July 2025

1. The Director, School Education Department, Government of Mizoram invites online e-Tender from reputed Organizations having experience in implementation of IEC hardware & software items and services in turnkey manner for the implementation of the Educational Infrastructure Related to IT Projects in 220 Schools across Mizoram.
2. It is recognised that integration of Information Technology in classrooms is essential to provide better quality of education and equitable learning outcomes irrespective of the economic conditions or geographical locations of the students. The School Education Department, Govt. of Mizoram has taken up this and selected 220 schools to leverage the technology in education among government schools. This will ensure ICT and Digital Initiatives in one solution. It will enable the Department to digitize schools and make expert led education reach the remote schools. The objectives are: -
 - 1) To impart high quality educational resources and teaching from expert teachers reaches even the remote schools
 - 2) To improve learning levels of students by providing engaging digital contents.
 - 3) To assess and evaluate the Project outcomes.

It will thus also help class teachers to make their own classroom interactions better and meaningful. Students would learn the concepts faster and in efficient ways with the help of engaging e-content taught by central studio experts or those provided in the IEC with the help of student focused teaching by class teachers. As the system will enable assessments and record these, whether in the school at E-Classroom or beyond the school on a Learning Management System (LMS) or App Based Learning System, the Department will have data required for issuing remedial teaching. The facility can also be used for teacher training, co-curricular activities, and for other skill development. The Department also intends to setup dedicated resource teams to provide continuous holistic learning programs on the IEC setup.

3. In the above context, Director of School Education, Government of Mizoram seeks proposals from Agencies for implementing an analytics powered solution including the required Hardware, Software, and Services in the government and government aided schools as follows: -

Type of solution	IEC
No. of Schools	220
Major components	Central Main Studio for remote interactive teaching using 2-way VSAT, Teaching Aid Digital Content in Mizo and English languages, E-Classroom with Projector, Student Assessment Devices, and Multi-level Performance Analytics. All required central infrastructure and applications.

4. Detailed tender notice, schedules and tender documents can be obtained from <https://mizoramtenders.gov.in> and <https://schooleducation.mizoram.gov.in>. Tender should be submitted online before the end of scheduled date and time of submission.

✓ The Bidders who have downloaded the tender document containing the tender details and terms and conditions shall submit their tender online on the e-procurement website

<https://mizoramtenders.gov.in>, with the proof of payment of non-refundable tender fee through Demand Draft/Banker's Cheque drawn in favour of the Director, School Education Department, Mizoram from any Nationalised or Scheduled Bank, payable at Aizawl.

- ✓ The Bidder shall also submit the proof for payment of EMD only in the form of Demand Draft/ Banker Cheque/Fixed Deposit/Bank Guarantee drawn in favour of the Director, School Education Department, Mizoram from any Nationalised or Scheduled Bank, payable at Aizawl.
- ✓ The original Demand Draft/Banker's Cheque/Bank Guarantee for tender fee and EMD along with the other necessary specified documents as part of the Technical Bid (if mentioned) should be submitted to the Director of School Education, Govt. of Mizoram in a sealed cover on or before the last date and time of submission of tender. The cover should be superscripted with the details of the tender name and tender number. Bidder must mention the proper registered office and correspondence address, working phone no./cell no. and e-mail.
- ✓ Micro, Small and Medium Enterprises registered with the NSIC and MSME are exempted from submission of EMD on production of requisite proof in the form of valid certification from NSIC and MSME etc. for the tendered items/services in accordance to the MSME Act.

5. To participate in this tender process through e-procurement, Bidders should have valid Digital Signature Certificate (DSC) of Class-III(minimum) and have to register in the portal <https://mizoramtenders.gov.in> by themselves.

6. Time frame for bidding activities is as follows:

Date of Publication	11 July 2025 (Friday)
Date of Pre-bid Meeting	24 July 2025 at 11:00 AM (Thursday)
Bid Submission End Date	11 August 2025 up to 12:00 noon (Monday)
Bid Opening Date	11 August 2025 at 1:00 PM (Monday)
Presentation of Concept Note by Technically Qualified Bidders	To be intimated
Financial Bid Opening Date	The date and time of the Financial Bid Opening will be intimated.

7. It will be the right of the Director of School Education Department, Govt. of Mizoram
- a) to change the opening time and date of the tender for administrative reasons by notifying them on the official website. This Department will not be liable for any delay in the submission of tenders and system errors;
 - b) to amend, vary or rescind any provision(s) of this tender or rectify any typographical error(s) at any time after floating of this e-tender and
 - c) to cancel the bid at any time without assigning any reason thereof.

8. Interested and eligible Bidders may obtain further information or clarification from the

Director of School Education
Education Centre, Treasury Square
Aizawl – 796001, Mizoram
Phone: (0389)-2326233, e-mail: dirsemz@gmail.com

The Bidders must ensure that queries are sent by via e-mail 24 hours before pre-bid.



Director
School Education Department
Govt. of Mizoram

Tender DataSheet

S.No	Ite	Details
1	Purchaser	Director School Education Department Education Centre, Treasury Square Aizawl – 796001, Mizoram Phone: (0389)-2326233, e-mail: dirsemz@gmail.com
2	Tender Name	Implementation of Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram
3	Tender Number	D.21016/15/2025-DSE(IT)/115 , Date: 10 th July 2025
4	Tender Processing Fee (Non-refundable)	INR 2500/- (INR two thousand five hundred only) to be paid by Demand Draft or Banker's Cheque drawn in favour of Director of School Education, Govt. of Mizoram payable at Aizawl.
5	Bid Security/EMD (Refundable)	INR 47,46,952 (In Indian Rupees forty seven lakh, forty six thousand, nine hundred and fifty two only) to be paid in the form of Bank Guarantee issued by one of the Nationalised/ Scheduled Banks in India drawn in favor of Director of School Education, Govt. of Mizoram. Bid Security/ EMD should be valid for a period of 180 (one eighty) days from tender due date. EMD will be refunded to unsuccessful applicant agencies within 30 (thirty) days of the completion of selection process.
6	Performance Bank Guarantee	5 % of the order value from the Successful Bidder in the form of Bank Guarantee issued by one of the Nationalized/Scheduled Commercial Banks in India drawn in favor of Director of School Education, Govt. of Mizoram
7	For any enquiries and clarifications	Director of School Education, Govt. of Mizoram Contact Phone : (0389) 2326233 E-mail: dirsemz@gmail.com
8	Bid Validity Period	36 months from the bid submission deadline

Important Note: Bidders must ensure that they have submitted all the required documents indicated in the Tender document without fail. Such bids without supporting documents shall be rejected. The bids can be submitted online on: <https://mizoramtenders.gov.in>


Director

School Education Department
Govt. of Mizoram

SECTION I

INVITATION TO BID

The Director, School Education Department, Government of Mizoram invites tenders from well-established reputed firms/ agencies/ organizations/ institutes for the “**Selection of Implementation Partner for The Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram**”. A two-cover system (Technical and Financial) will be followed for tender evaluation. Selection of the service provider will be based on the Quality and Cost Based System (QCBS).

1. Background & Scope of Work

The Department of School Education, Government of Mizoram aims to provide quality education to the children and has taken a few initiatives to provide IT infrastructure and education in Government Schools. The Department wishes to establish Interactive E-Classrooms (IEC) with IT enabled education in 220 Government Schools across Mizoram.

Creating infrastructure for Remote Education in schools

Studio & E-Classrooms: For delivering remote education to schools, the Department would like to set up a dedicated Main Studio or Broadcasting Studio in Aizawl and IEC in the selected schools. The E-Classroom network will be required to link with the Main Studio by VSAT bandwidth without any interruption.

The E-Classrooms would be enabled to receive remote LIVE and interactive learning operated over the two-way VSAT network. This comprehensive E-Classroom platform with student analytics capability in 220 Government Schools will help students to learn from state level experts with the help of digital content. The Department will have comprehensive reports on student performance. Apart from being able to use these virtual classrooms in schools, teachers and students should also be able to access LIVE online education through web and mobile apps through App based LMS Platform. School teachers will be able to deliver LIVE classes from their homes on their personal computer or mobile app. Students will be mapped in online classrooms as per their grade level enrolment

LMS (App based): Under the Project, the Department envisages creating a LMS for schools as a repository for accessing recorded virtual classroom sessions in respective medium of education in IEC or in desktops dedicated and additional learning material beyond the school. National portals such as Diksha, SWAYAM, National Digital Library will be linked to this LMS for aiding the students in self-learning and flipped classroom method learning.

The services from the selected Bidder will cover supply, installation, testing, commissioning, and operations & management activities. The selected Bidder has to provide end-to-end solution and services.

2. Establishing end-to-end IEC solution infrastructure

1) Infrastructure/resources to be provided under the project:

- a) Setting up Main Broadcasting Studio at Aizawl with necessary connectivity to uplink
- b) Setting up E-Classrooms in 220 Schools [or one E-Classroom at each school]
- c) Student Assessment Kits for individualized student evaluation.

2) Services

- a) Providing LIVE class delivery and academic operations from the studios.
- b) Providing Digital Content (Multimedia Animated Content) for LIVE delivery from studio on E-Classroom Platform.
- c) Providing Question Banks for Assessment and Analytics.
- d) Providing Teaching Services from the studio (aided with digital content) - as per the syllabi prescribed by Mizoram Board of School Education or Mizoram State Council of Educational Research & Training as per the level of the students in Mizo and English.
- e) Involving Department selected Government Teachers in Content Development and Modification activities.
- f) Student Assessment and Analytics Services.
- g) Hosting centralized applications with required Cloud Services.
- h) Providing VSAT based connectivity at the studios and at 220 schools.
- i) Manpower services for project management.
- j) Centralized Applications and Servers for the Virtual Classroom.
 - i. Student Analytics System
 - ii. Integrated Student App
 - iii. Project Monitoring Dashboard
 - iv. Complaint Management System
- k) A Centralized LIVE dashboard for Virtual Classrooms platform usage monitoring.
- l) A Centralized LMS-App based
- m) A Cross Platform Asset Management System

Guidelines for solution implementation

1) Infrastructure:

- a) Bidder should establish the Broadcasting Studio as per **Annexure 1**
- b) Bidder should establish IEC as per **Annexure 2**
- c) IEC Training Solution Requirements as per **Annexure 3**
- d) Digital Content as per **Annexure 4**
- e) Student Assessment System as per **Annexure 5**
- f) LMS app based as per **Annexure 6**
- g) Supporting Services as per **Annexure 7**
- h) Asset Management System as per **Annexure 8**

2) Managed Network Services

- a) Most schools do not have feasibility for terrestrial connections. The Bidder should provide Managed Network Services for Studio (Leased line of minimum 10 Mbps Bandwidth & Satellite Connectivity of minimum 2 Mbps Bandwidth) VSAT connectivity with establishing in-route connectivity for LIVE sessions and out-route connectivity to carry out interactions. This bandwidth or higher must be ensured for the hassle-free delivery of the contents.

3) Security Guidelines

- a) All Applications and IT hardware must be treated as IT assets and must be maintained properly.
- b) Data must be kept secure in transits, in rest, and in movement.
- c) Identity Access Management should be properly maintained for Authentication, Authorization, and accounting logs must be centralized.
- d) Student/Critical data should be hosted in STQC certified cloud environments and data must reside in India always. Details of the Cloud should be shared with School Education Department, Govt. of Mizoram.

School Education Department, Govt. of Mizoram

SECTION II

INSTRUCTIONS TO BIDDERS

1. General Instructions

- a) This tender document provides information regarding the project, technical requirements, and other related information to interested Bidders.
- b) Bidders are expected to examine all instructions, terms, project requirements, and formats in the tender document. Failure to furnish all information as stated in the tender document may result in the rejection of the proposal.
- c) The tender application along with terms and conditions can be downloaded from the site <https://mizoramtenders.gov.in> or <https://schooleducation.mizoram.gov.in>. Bids should be submitted along with the cost of tender document in the e-procurement portal <https://mizoramtenders.gov.in>.
- d) Bidders should get registered on the e-Procurement portal. If any clarifications needed, should submit their queries only through email to the contact id provided in the bid datasheet section within the date and time specified.
- e) At any time before the deadline for submission of bids, the Department may, for any reason, whether at own initiative or in response to a clarification requested by a prospective Bidder, modify the tender document by amendment.
- f) The bid to be submitted by the Bidder, as well as all correspondence and documents relating to the bid exchanged between the Bidder and School Education Department, Govt. of Mizoram to be written in English language only.
- g) The Bidder shall bear all costs associated with the preparation and submission of the Bid and the School Education Department, Govt. of Mizoram will in no case be responsible for those costs, regardless of the conduct or outcome of the bidding process.

2. Documents Constituting the Bids

- a) The bid prepared by the Bidder shall comprise the following components.
 - Tender fee, EMD, Pre-qualification Document
 - Technical Bid
 - Financial Bid
- b) The bids not conforming to the above requirements shall be summarily rejected.

2. Validity Period

- a) Bids shall remain valid for the entire Project duration of 36 months. School Education Department, Govt. of Mizoram shall reject a bid valid for a period shorter than this as non-responsive.
- b) In exceptional circumstances, the School Education Department may solicit the Bidder's consent to an extension of the period of validity. The request and the response thereto shall be made without forfeiting the bid security. A Bidder granting the request will not be permitted to modify its bid.

3. Bid Security/ Earnest Money Deposit (EMD)

- a) Bids are to be submitted as per the prescribed tender form along with bid security or EMD for an amount of **Rs 47,46,952/-** (In Indian Rupees **forty seven lakh, forty six thousand , nine hundred and fifty two only**) valid for a period of 180 days from the date of submission, in the form of Demand Draft/Bank Guarantee in favor of the Director of School Education, Govt. of Mizoram payable at Aizawl. The bid security deposit to be uploaded and the original copy of bid security should be submitted before the deadline of submission of bid.
- b) The bid security is required to protect the School Education Department, Govt. of Mizoram against the risk of Bidder's conduct, which would warrant the security's forfeiture. The bid security shall be in Indian Rupees.
- c) Any bid not secured with EMD will be rejected by the Director of School Education, Govt. of Mizoram (hereafter called the **Purchaser**) as non- responsive.
- d) Unsuccessful Bidder's EMD will be discharged/returned within 45 days after the expiry of the period of bid validity prescribed by the Department without any interest accrued.

4. Bid Prices

- a) All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices, and total Tender Price submitted by the Bidder. Statutory variation during the contract period shall be reimbursed/reversed against documentary evidence.
- b) The Financial Bids should strictly conform to the formats to enable evaluation of bids and special care must be taken that the bids having any hidden costs or conditional costs will be liable for straight rejection.
- c) Prices quoted by the Bidder shall be fixed and no variation will be allowed under any circumstances. However, the School Education Department, Govt. of Mizoram, has the right to negotiate the price as per the budget.
- d) Prices shall be quoted in Indian Rupees

5. Format of Bid

- a) Hard Copies of "Pre-Qualification Documents" and "Technical Bid and Commercial Terms" shall be signed by Bidder with stamp of the Firm and scanned copies shall be uploaded on e-procurement portal.
- b) The Bidder shall upload the financial bid in the BOQ format which may be downloaded along with Tender Document from the e-procurement portal.

6. Authentication of Bid

- a) The original and all copies of the bid shall be signed by a person(s) duly authorized to bind the Bidder to the Contract. The letter of authorization shall be indicated by a written power-of-attorney accompanying the bid. The person(s) signing the bid shall initial all pages of the bid with seal/stamp.
- b) Any interlineations, erasures, or overwriting shall be valid only if the person(s) signing the bid initial them.

7. Rejection of Bid

- a) Technical Bid has to be uploaded in .pdf format while Financial Bid must be uploaded in .xls format (should be downloaded from the e-procurement portal)
- b) The bids submitted through social media platforms, fax or e-mail shall be rejected. The BOQ format for Financial Bid as uploaded at e-procurement website shall be accepted.

School Education Department, Govt. of Mizoram

SECTION III

BID SUBMISSION & EVALUATION

1. Deadline for Submission for Bids

- a) The Bids (Technical and Financial) must be uploaded on the e-procurement portal on or before the Bid Submission End Date and Time.
- b) The Purchaser may, at its own discretion, extend his deadline for submission of bids by amending the bid documents.

2. Bid Opening and Evaluation of Bids

- a) The Bids (Pre-Qualification, Technical, and Financial) will be opened on the e-procurement platform on the date and time as specified in the Tender schedule.
- b) A two-stage procedure will be adopted in evaluating the proposals with the Pre-Qualification evaluation and technical evaluation completed entirely prior to any financial proposals being opened. Pre-Qualification and Technical Evaluation documents will be evaluated to ensure that all the stated criteria are met.
- c) Bidders need to fulfill all the Qualification conditions mentioned in the Tender Document. The Technical Committee will examine the Bids to determine whether they are complete, whether the Bid format conforms to the Tender requirements, whether documents have been properly signed, and whether the Bids are generally in order.
- d) No Bidder shall try to influence directly or indirectly the members of Technical Committee, and if found doing so, that bid shall summarily be rejected.

3. Evaluation of Eligibility Qualification

- a) The Bidder should meet the following Eligibility Criteria to participate in the Tender and shall enclose documentary proof for fulfilling the eligibility criteria in the Bid.

S.No	Eligibility Criteria	Required Details
1	Non-refundable Tender Cost of INR 2,500/-	By DD or Banker,s Cheque
2	Earnest Money Deposit (EMD) of INR 47,46,952/- in the form of Demand Draft/Bank Guarantee from any Nationalized/Scheduled Bank. The EMD of successful Bidder is liable to be forfeited if the Bidder revokes any terms of the tender within the validity period. EMDs given by unsuccessful Bidders will be refunded after placing work order to the successful Bidder.	DD/ Bank Guarantee is to be submitted. Applicable MSME exemption Documents to be submitted.
3	a) The Bidder company should be a single entity registered in India under the provisions of the Companies Act, 1956 or Partnership Firm Registered under Partnership Act 1932. b) Consortium is not allowed	Attach Company Registration certificate/ Partnership Deed

S.No	Eligibility Criteria	Required Details
4	The Bidder should be ISO certified organization in ICT/ ITES/Networking Services	Certificate is to be uploaded
5	Goods Service Tax Registration Certificates of Bidder issued by the concerned departments.	Copies of PAN, GST with registration number.
6	The Lead Bidder should have an average annual turnover of Rs 12.00 Crores for the last three financial years as on 31.03.2025	Certificate from Statutory Auditor and Audited Report with PL Account and Balance Sheet for the last 3 financial years as on 31.03.2025
7	The Bidder should have implemented at least one Project of worth minimum 15 crores or at least two Projects of worth minimum 10 crores in Virtual Classroom/E-Classroom with VSAT solution which must include Hardware, Connectivity and Services as part of the project for Govt./ PSU/ Central Ministry/ State Govt. in India in last 5 years.	Work Order/ Experience letters should be submitted
8	The Bidder should have experience of sale, supply, installation, and maintenance of similar virtual Classroom/E-Classroom/e-learning classroom two-way interactive projects (must include hardware (Projector/IFPD, OPS/Computing device, Power backup, student assessment kit, software) with satellite connectivity in minimum 150 Schools in the North Eastern Region of India for educational purposes from any Central/State Government/PSUs in last 5 years.	Work Orders and Experience letters should be submitted
9	VSAT service provider (whose authorization - MAF is being submitted by the Bidder), must have the following experience and certifications: a) High Throughput Satellite (HTS) technology with bandwidth connectivity covering complete North Eastern Region of India b) Minimum 50,000 active VSAT base in India at the time of submission of this tender c) Experience in supplying, implementing VSAT connectivity in a single state wide project of minimum 1,500 Schools in last 5 years d) Satellite gateway with minimum 8 meters antenna along with active operational hub in North Eastern region in last 5 years	Declaration by OEM with Supportive Documents

S.No	Eligibility Criteria	Required Details
	e) Positive net worth in last 3 Years year ending March 2024 f) TL 9000 & ISO valid Certification	
10	The Bidder should not be blacklisted with any government project.	Submit an undertaking
11	Bidder should provide Manufacturer Authorization/Agreement with respective major OEMs	Bidder should submit the agreements/ authorization from respective OEMs specifically for this tender in the format provided
12	- The Bidder must submit Compliant Certificate along with technical brochures covering all technical specifications. - The OEM should submit the compliance confirmation for each parameter in their letterhead along with the Manufacturer's Authorization form. If there is any deviation, the deviation with justification should be spelt out on the OEM letter head.	MAFs, Compliance Certificate, and Brochures should be uploaded
13	Local presence: The Bidder should have an office in Mizoram. However, if the presence is not there in the state, should give an undertaking for establishment of an office within one month of the award of the contract. Supporting and necessary documents showing the local presence must be submitted within one month of the establishment.	Address Proof or Undertaking

Note:

- In the absence of any of the above, the offer will be treated as non-responsive and summarily rejected.
- Relevant documents in support of the above criteria must be enclosed along with Technical Bid documents failing which the bid will be liable to be rejected.
- Bidders who meet pre-qualification criteria and are technically qualified might be called for LIVE demonstration. In case of unsuccessful demonstration, Bidder is subject to disqualification.
- **Major OEMs: Digital Video Camera, VSAT, Transmission Server, Projector, Desktop, UPS, Student Assessment Kits, Virtual Classroom platform, LMS, Camera.**
- Department can inspect and examine the materials and workmanship of the goods/equipment/machineries during the manufacturing process.
- Project Management and Consultancy Projects will not be considered only actual implementation by SI will be considered.

4. Evaluation of Technical Bids

- a) The Bidder must possess the requisite experience and capability in providing the services necessary to meet the requirements described in the tender documents.
- b) As part of Technical Evaluation, the Purchaser shall request qualified Bidders to make a Technical Solution Presentation (which will carry 10 Marks) to an Evaluation Committee to be constituted for the purpose.

5. Evaluation of Financial Bids

- a) The technically qualified Bidders shall be intimated about the date and time of financial bid opening. The Financial bids of thus shortlisted Bidder shall be opened publicly in the presence of up to two representatives from the respective Bidders. The name of the Bidder and the proposed prices shall be read aloud and recorded when the Financial Proposals are opened.
- b) The Purchaser shall however not bind itself to accept the lowest and/ or any bids and reserves the rights to accept / reject any bids, wholly or in part without assigning any reason. A Quality and Cost Based Selection methodology will be employed.

6. Technical Bid Evaluation (Marking) Criteria

- a) The Technical Evaluation will be conducted based on the relevant support documents submitted by the Bidders. Experience of the Bidders shall be an added advantage.

S.No	Description	Evaluation Criteria	Criteria wise Marks	Maximum Marks
1	Experience and implementation of sale, supply, installation, and maintenance of similar virtual classroom/E-Classroom/e-learning classroom 2-way interactive projects (must include hardware, projector/IFPD, OPS/computing device, power backup, student assessment kit, software) with satellite connectivity for educational purposes from any Central/State Government/PSUs in the last five years. Work Order or Project Completion/Go Live certificate must be submitted	221 Schools or more	15	15
		151 to 220 Schools	10	
		Up to 150 Schools	5	
2	Experience of developing digital content in regional languages for schools/colleges under various programs during the last five years. (Go Live or Project Completion Certificate)	801 or more Sessions	15	15
		501 or more Sessions	10	
		100 – 500 Sessions	5	
3	Student Assessment Kits Should have supplied student assessment/evaluation kits similar to the tender requirement to government schools/institutes in India.	221 or more Schools/Institutes	15	15
		Up to 220 Schools/Institutes	10	
		150 Up to Schools/Institutes	5	
4	Project experience under Operations and Maintenance: Experience in execution of e-Governance projects with operations and maintenance services in India in govt./PSU during last 5 years ending 31/03/2025, worth not less than 10 crores. Work Order/Client letter/Project Completion certificate must be submitted.	3 or more Projects	15	15
		2 Projects	10	
		1 Project	5	
5	Technical Presentation (Max 10 minutes) •Program Understanding •Solution Understanding – Technology & Functional understanding •Approach towards Field Issue Management and Connectivity needs •Content Preparation Methodologies •Project Planning & Execution Capability •Team Deployment Methodology	40		40
				100

N.B:-The date and time of the Technical Presentation may be announced after scrutiny of document.

7. Clarification of Bids

During evaluation of bids, the Purchaser may, at its discretion, ask the Bidder for clarification of its bid. The request for clarification and the response shall be in writing. If the response to the clarification is not received before the expiry of deadline prescribed in the request, the Purchaser reserves the right to make its own reasonable assumptions at the total risk and cost of the Bidder. Also seeking clarification by the Department does not mean Bidder's bid has been accepted.

8. QCBS (Quality and Cost Based Selection)

- a) The bid will be evaluated on QCBS methodology (QCBS (70% Technical, 30% Financial))
- b) The evaluation will consist of the following phases:
 - i. Evaluation of Pre-Qualification Criteria and Evaluation of Technical bids (of eligible Bidders in pre-qualification)
 - ii. Evaluation of Financial bids (of Technically Qualified Bidders)
 - iii. Combined evaluation of Technical & Financial bids
- c) **Technical Score calculation:** The Bidder with highest qualifying technical score (T1) will be awarded 100% score. Technical Scores for other than T1 Bidders will be evaluated using the following formula:

$$\text{Normalised Technical Score of a Bidder (Tn)} = \frac{\text{Technical Score of the Bidder}}{\text{Technical Score of T1}} \times 100$$

Note: The score value is adjusted up to two decimal places.

Example: The Bidder with the Highest Technical Score will be awarded 100 and other Bidders will be awarded on percentile basis. If the Bidder with highest technical score is 90, then the T1 Bidder will get (T_{max}) 100. A Bidder awarded 80 as technical score will get $(80/90) \times 100 = 88.88$

- d) **Financial Score calculation:** The Bidder with lowest qualifying financial bid (L1) will be awarded 100% score. Financial Scores for technically qualified Bidders other than L1. Bidders will be evaluated using the following formula:

$$\text{Normalised Financial Score of a Bidder (Fn)} = \frac{\text{Commercial Bid of L1}}{\text{Commercial Bid of the Bidder}} \times 100$$

Note: The score value is adjusted up to two decimal places.

Example: If F1 is INR 110 and F2 is INR 120, then F1 will receive (F_{max}) 100 and F2 will receive $[110/120] \times 100 = 91.67$

- e) **Calculation of Composite Bid Score:** Technical and Financial scores secured by each Bidder will be added using weightage of 70% and 30% respectively to compute a Composite Bid Score.
- f) The Bidder securing the highest Composite Bid Score will be adjudicated as the most responsive Bidder for award of the Project.

- g) The Composite Bid score will be calculated as follows:
- $$B_n = (0.70 \times T_n) + (0.30 \times F_n)$$
- T_n = Technical score of the Bidder (out of maximum of 100 marks)
 F_n = Financial score of the Bidder (out of maximum of 100 marks)
 B_n = Composite Bid score of the Bidder
- h) In the event the composite bid scores are 'tied', the Bidder securing the highest technical score will be adjudicated as the Best Value Bidder for the award of the Project.

9. Preliminary Examination

- The Purchaser will examine the bids to determine whether they are complete, whether they meet all the conditions of the Contract and Technical Specifications and whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words shall prevail. If the successful Bidder does not accept the correction of errors, its bid will be rejected, and its bid security may be forfeited.
- If a bid is not responsive and does not fulfill all the conditions, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

10. Notification of Award

The Purchaser shall: -

- Notify the successful Bidder by e-mail or by registered post that the Bid has been accepted. The Bidder shall acknowledge in writing receipt of the notification of award.
- Conduct a techno-commercial discussion with the successful Bidder and he/she shall be the sole judge in the matter of award of contract and decision of the Department shall be final and binding.
- Request the successful Bidder to provide performance guarantee upon the successful Bidder furnishing their acknowledgement. On receipt of the performance guarantee, he/she shall prepare and sign the contract agreement and discharge the bid security
- Have the right to: -
 - *accept or reject the tender in full or part*
 - *cancel the contract either part or full, if the contractor fails to deliver the specified quantity of the item at the stipulated time and awards the same to the next successful Bidder.*

11. Performance Bank Guarantee (PBG)/ Performance Security Deposit (PSD)

- The Successful Bidder must furnish Performance Security (PS) as part of the Project. The successful Bidder must submit within 30 days of receiving notification of award from the Director of School Education, Govt. of Mizoram the performance security at the rate equal to 5% of the value of the project in accordance with the Conditions of Contract, in the form of Bank Guarantee or Demand Draft/Fixed Deposit in favor of the Director of School Education, Govt. of Mizoram payable at any scheduled bank at Aizawl. The validity of PBG shall be for 36 months.

- b) Failure of the successful Bidder to comply with the requirement shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security of the Bidder, in which event the Purchaser may make the award to the next evaluated Bidder with Highest Marks or call for new bids.
- c) The purchaser has the right to ask for any amount as Performance Security during the project life cycle, if the purchaser observed the risk on account of performance.

School Education Department, Govt. of Mizoram

SECTION IV

BILL OF QUANTITY (BOQ)

A. Broadcasting Studio Setup

S.No	BOM for Studio Description	Quantity
1	Digital Video Camera with accessories	2
2	Video Switcher with accessories	1
3	Audio mixer with accessories	1
4	Camera Tripod	2
5	Microphone: Cordless Lavalier	2
6	Wired Mic with Table Mic Stand	2
7	Hard Disk based recorder	1
8	Audio Monitor	2
9	Digital SD/HD-SDI video distribution	1
10	55" Professional UHD 4K conferencing display	2
11	Transmission Server	1
12	Interactive Panel with laptop	1
13	Laptop with HDMI output	1
14	Antenna, Satellite Modem and LNB Laptop with application software	1
15	Furniture	1
16	LED Studio Lights with ceiling Grid and mounting clamps/hooks	4
17	Electrical networking and Studio cabling including all accessories	1
18	Acoustic, Fabric Above Acoustics with Air Condition (20x20)	1
19	UPS (10KVA)	1
20	Studio Management for 1 year (1 Camera Man, 1 Project Manager, 1 Studio Engineer)	1

B. IEC Setup at Schools (Per school) for 220 Schools

S.No	Bill of Material for Virtual Classroom Set up	Quantity
1	Projector with ceiling mount	1
2	Projector Screen	1
3	Laptop	1
4	Audio system	1
5	Virtual Classroom Application Software	1
6	HD Camera	1
7	Mic System	1
8	Student Assessment Kit (50 tools + 1 receiver)	1
9	Communication Equipment (2-Way)	1
10	Solar power Hybrid UPS	1
11	Podium. Wi-Fi router and accessories like cables, Surge Protector, Wall Mount, Connectors	1

12	Solar Panel	1
13	Earthing + Cabling & Installation + Integration + Testing + Training	1
14	Monitoring, Evaluation, analytics and assessments	1

C. Centralized Application Software

S.No	Description	Quantity
1	Centralized Applications a) LMS b) Student Analytics System c) Integrated Student App d) Online Monitoring System	1

D. Interactive Multimedia Content

S.No	Items
1	Digital e-Content development for LIVE teaching (Per session of minimum 40 mins)

E. Capacity Building of the Teachers

S.No	Description	Quantity
1	Training of Teachers at Studio (5 Batch of 10 Teachers)	2 Batches
2	Training of Teachers of Virtual Classroom	220 Schools

F. Question Banks, Assessment & Analytics System

S.No.	Description	Quantity
1	Question Banks, Assessment, and Analytics systems at schools for ongoing student performance analytics	220

G. Recurring Cost

Operations & Maintenance and Managed Network Services per annum

S.No.	Items
1	Operations & Maintenance of the Program as per RFP Scope
2	Connectivity Required for the Program

ANNEXURE 1

TECHNICAL SPECIFICATIONS

Broadcasting Studio

S.No	Items with Minimum Specifications	
1	Digital Video Camera – Type 1 - 1 no	
	Image sensor	1" MOS/ CMOS Single Chip Image Sensor
	Effective Pixels per sensor	14 Megapixel or more
	Lens	Optical 20x Zoom and 10 x Digital zoom or better
	Optical System	F1.6 prism system
	Neutral density filter	Clear, 1/4, 1/16, 1/64
	Optical Image stabilizer	Required
	Sensitivity	F12 or better
	Horizontal Resolution	• 2,000 TV lines or more (3840 x2160p mode) or better • 1,000 TV lines or more (1920 x1080p mode) or better
	Shutter Speed:	1/25 sec to 1/10,000 sec or better
	Monitor/Viewfinder	3.5" type TFTLCD color monitor and 0.39 type OLED Viewfinder
	Video/Audio Recording	
	Recording Media	SXS/SDHC/SDXC/ Micro P2 Memory card
	Recording Resolution	3840 ×2160 (UHD), 1920 ×1080 (FHD), 1280 ×720 (HD) 720 ×480 (SD), 720 ×576 (SD)
	Recording Formats	XAVC/MOV(AVC)/MOV(HAVC)/AVCHD
	Live Streaming	• Network Protocol: RTSP/RTP/RTMP • Video Compression Format: H.264/ MPEG4 AVC Main Profile, High Profile - Audio Compression Format: AAC LC
	Interfaces	
	Video Output:	BNCx1HD-SDI, SD-SDI
	HDMI Out:	HDMI: 4:2:2/10 bit
	Audio Input:	XLR-type 3-pin
	Audio Output:	3.5 mm stereo mini jack x 1
	Video Over IP Out	Should support NDI HX and RTMP Streaming.
	Accessories	Battery, Battery charger, AC adaptor, AC cable, Microphone holder kit, Shoulder strap, Eye cup
	Digital Video Camera – Type 2 - 1 no	
	Lens Communication	Yes, with Autofocus Support
	Sensor Resolution	Actual: 12.1 Megapixel
		Effective: 10.2 Megapixel
	Image Sensor	35.6 x 23.8 mm (Full-Frame) CMOS
	Image Stabilization	Sensor-Shift, 5-Axis
	Capture Type	Stills & Video
	Exposure Control	
	Shutter Type	Electronic Shutter, Mechanical Focal Plane Shutter
	Shutter Speed	1/8000 to 1/4 Second in Movie Mode
		1/8000 to 1/60 Second in Auto Mode
	ISO Sensitivity	80 to 102,400 in Manual Mode (Extended: 80 to 409,600)
	Exposure Modes	-3 to 20 EV
	Metering Range	2500 to 9900K
	White Balance	Presets: Auto, Cloudy, Custom, Daylight, Flash, Fluorescent, Incandescent, Shade, Underwater
	Continuous Shooting	Up to 10 fps

S.No	Items with Minimum Specifications	
	Video Capture	
	Internal Recording Modes	H.265 Long GOP/XAVC HS 4:2:0 10-Bit
		3840 x 2160 at 24.00/60.00/100/120 fps [30 to 150 Mb/s]
		MPEG-4 AVC/XAVC S 4:2:2 10-Bit
		UHD 4K (3840 x 2160) at 24.00/30.00/60.00/120 fps [220 to 600 Mb/s]
		1920 x 1080p at 24.00/30.00/50/59.94/60.00/220 fps [89 to 222 Mb/s]
		XAVC Proxy
		1920 x 1080 [9 to 16 Mb/s]
		1280 x 720 [6 Mb/s]
	External Recording Modes	4264 x 2208 at 23.98/25/50/59.94 fps
		1920 x 1080p at 23.98/25/50/59.94 fps
		1920 x 1080i at 50/59.94 fps
	Sensor Crop Modes	Super35 / APS-C
	Fast-/Slow-Motion Support	Yes
	Gamma Curve	HDR-HLG, S Cine tone, Sony S-Log 2, Sony S-Log 3, Standard
	Built-In Microphone Type	Stereo
	Audio Recording	4-Channel 24-Bit LPCM Audio
		2-Channel 24-Bit LPCM Audio
	IP Streaming	Yes
	Still Image Capture	
	Image Sizes	16:9 JPEG / Raw
		12 MP to 0.8MP
	Aspect Ratio	1:1, 3:2, 4:3, 16:9
	Image File Format	HEIF, JPEG, Raw
	Interface	
	Media/Memory Card Slot	Dual Slot: CF express Type A / SD
	Video I/O	1 x HDMI Output
	Audio I/O	2 x XLR / 1/4" TRS Combo Mic/Line Input on Included Handle
		1 x 1/8" / 3.5 mm TRS Stereo Microphone Input on Camera Body
		1 x 1/8" / 3.5 mm TRS Stereo Headphone Output on Camera Body
	Power I/O	1 x USB-C Input
	Other I/O	1 x USB-C (Ethernet, USB 3.2 / 3.1 Gen 1) (Shared with Power Input)
		1 x Sony Multi/Micro-USB
	Wireless	2.4 / 5 GHz Wi-Fi 5 (802.11ac), Bluetooth, NFC
	Monitor	
	Size	3" or more
	Resolution	1,440,000 Dot or more
	Display Type	Articulating Touchscreen LCD
	Focus	
	Focus Type	Auto and Manual Focus
	Focus Mode	Automatic, Continuous-Servo AF, Manual Focus
	Autofocus Points	Phase Detection: 627
	Built-In Flash	No
	Maximum Sync Speed	1/125 Second
	Dedicated Flash System	TTL
	External Flash Connection	Intelligent Hot Shoe
	General	

S.No	Items with Minimum Specifications	
	Power Consumption	≤7.3 W
	Tripod Mounting Thread	1/4"-20 Female
		1 x Intelligent Hot Shoe
		5 x 1/4"-20 Female on Camera Body
		3 x 1/4"-20 Female on Included Handle
	Teleprompter 32 inch with stand	
	Size	32" HD monitor
	Reflector	Anti-glare High Efficiency Reflector
	Adjustment	Angle adjustment for reflector
	Mount	Adjustable balanced Floor Stand
2	Video Switcher with accessories Total Video Inputs 6 (4 x HDMI type A, 10-bit SD/HD switchable. 2 channel embedded audio.) Total Video outputs 4 channel SDI Rates: 270Mb, 1.5G, 3G. a) HD Video Standards: 720p50, 720p59.94, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p50, 1080p59.94, 1080i50, 1080i59.94 b) Upstream Keyers: 1 with Chroma/Linear/Luma key. c) Total Number of Layers: 5 d) Multi View Monitoring: 1 x 8 Views. e) Chroma Keyers: 1	
3	Audio mixer	
	Channels	12
	AUX	3 x Pre/Post or better
	Subgroups	2 mono/1 stereo or better
	Inputs - Mic Preamps	8 x XLR
	Phantom Power	Required
	Fader	13 x 60mm Throw
	USB Interface	Required
	Bands	3-band
4	Camera Tripod	
	Camera Plate Features	Sliding Balance Plate
	Base Mount	75 mm
	Drag Control	Fixed
	Counter Balance	Fixed
	Head Mount Type	75 mm Bowl
	Materials	Aluminum
	Pay Load	12KG or Better
	Dolly	Required
5	Microphone: Lapel	
	System	Dual channel wireless microphone system 2.4GHz digital transmission
	Encryption	128-bit encryption
	Output	3.5mm TRS analogy output, USB-C and iOS compatible digital audio output - Ability to switch between mono or stereo output
	Battery	In-built rechargeable lithium-ion battery – up to 5 hours battery life
	Range	200m transmission range
6	Wired Mic with Table Mic Stand	
	Connectors	3-pin XLR-3
	Frequency Range	Dynamic cardioid microphone
	Polar Pattern	Transparent high-end and warm but defined lower mid

S.No	Items with Minimum Specifications	
	Housing	Extremely rugged metal housing
	Phantom Power	Yes
7	Recorder Hard Disk based	
	Processor	Intel i7 12th Gen
	RAM	64 GB
	SSD	250 GB
	Storage	4TB
	Graphic card	2GB
	Video Input	SDI and HDMI
	Application	Recording Software
8	Audio Monitor	
	Type	2 Way Active Studio Monitor
	Frequency Range	50 Hz-18 kHz or better
	Max Peak SPL	100 dB or better
	LF Driver Size	Min. 5" to Max. 6.6"
	HF Driver Size	1" or better
	Low-Frequency Amplifier Power	40 watts or Better
	High-Frequency Amplifier Power	40 watts or Better
	Total Power Output	80 Watt or Better
	Input Types	1 x XLR, 1 x TRS Balanced
	AC Input Voltage	100-220 VAC +/- 10% 50/60 Hz
9	Digital video distribution • 1 Input to 4 Output Distribution Amplifier • Low power consumption	
10	55 inches Professional Display	
	Screen Size (Diagonal)/ Aspect ratio	55" / 16:9 or better
	Panel Type	IPS LED / Equivalent
	Resolution (H × V)	1,920 x 1,080 pixels
	Brightness	350 cd/Sq M or Better
	Viewing Angle	178° / 178°
	Inputs	HDMI (2), RGB, Audio, USB or better
	Mount	One floor Mount and One wall Mount
11	Certifications	ROHS, BIS, FCC, CE
	Transmission Server • Dual Vector-MPEG-4 codec SD/HD 4:2:0/4:2:2 encoding • Broad SD/HD format input support • Audio encoding of up to 32 stereo or 64 mono channels • Broadcast-quality video content distribution • IP outputs • Ultra-low delay mode • User-friendly web-based control panel • Fast boot time • Dual codec (Vector) • Color space Conversion Hardware based real time. • Vector encoder using custom encryption algorithm • HD Down Conversion Built-in, high-quality software down converter on playback & capture • HD Up Conversion Built in, high-quality software up converter from SD to 720HD or 1080HD on input • Color Space REC 601, REC 709	

S.No	Items with Minimum Specifications
	• Color Precision 8, 10, 12-bit RGB 4:4:4 in all modes • Video Sampling 8, 10, 12-bit RGB 4:4:4 in all modes • SDI Video Inputs bidirectional 12-bit SD/HD independently configurable as either Input or Output. • SDI Video Outputs bidirectional 12-bit SD/HD independently configurable as either Input or Output. • SD Video Standards 525i/59.94 NTSC, 625i/50 PA • Supports Background noise removal and echo cancellation of audio. • Supports controlling frame rate and resolution • Supports Multiple Video and audio input. • Create PIP with multiple video inputs and positioning. • Supports multiple types of content/documents. • Support Whiteboard collaboration. • Supports Whiteboard write/Type. • Screen sharing support partial/Full (Customizable) • Streaming content auto save
12	Multi-touch Interactive Panel with 14" laptop • Min 13.0-inch display • Resolution support up to 1920 x 1080 • HDMI Input • Stylus Pen • Color Displays: 16.7M • Contrast Ratio: 700:1 • Viewing Angle: 178° • Response time: 25ms or less Laptop Specification • Intel Core i5 12th Gen • Minimum 16 GB RAM, • Minimum 1 TB SSD Drive, • Display Minimum 14.0" • 1 USB 3.0, 2- USB 2.0, HDMI, VGA • Windows 11 pro 64 bit
13	Laptop with HDMI Output • Minimum Intel Core i5 12th Gen, • Minimum 16 GB RAM, • Minimum 1 TB SSD Drive, • Display Minimum 14.0" • 1 USB 3.0, 2- USB 2.0, HDMI, VGA • Windows 11 pro 64 bit
14	Satellite Receiving Antenna, Satellite Modem and LNB Laptop with application software As mentioned in Virtual Classroom Setup section
15	Furniture requires Depends on the number of manpower to run the Main/Broadcasting Studio. Minimum requirement will be as:- • 6 pairs of Technical Tables with Executive chairs • Studio Room Tables with 3 Revolving chairs • 1 Wooden Almirahs • Sofa - 2 Nos • Chairs or long chairs for the visitor's lounge – Types, Brand and Quantity should be quoted
16	LED Studio Lights with ceiling mount movable Grid and mounting clamps/hooks • Color temperature: 5600 K/3200K • Dimmable output from 100% to 10% • Power consumption: Less than 80W.

S.No	Items with Minimum Specifications
	• Ceiling mounts facility • AC Adaptor, filters • Operated from nominal 230 V/50 Hz Ac Supply
17	Electrical networking and Studio cabling including all accessories • Accessories like required converters, cables, audio/video connectors, adapters, etc.
18	Earthing + Integration + Testing + Training 1) System Completeness: It is the responsibility of Bidder. Any hardware and/or software including passive and active devices required for completeness of the technical workflow shall be quoted. Bidder shall be responsible for technical and operational completeness of the entire system. 2) Workflow Diagram: The Bidder must provide schematic diagram of the technical workflow to ensure the workability of the offered solution in all respects. 3) Additional Items for Complete Workflow: The Bidder must mention any additional items required to complete the workflow with proper justification
19	Acoustic, Fabric above Acoustics with Air Condition (20x20), Green Screen Provision & fixing of pre-fabricated acoustic panels for the walls inside the studio giving an aesthetic finish, Required Partitioning of room, Closing of windows. Green Screen on one complete wall. 1) Interior: Provision & fixing of pre-fabricated acoustic panels for the walls inside the studio topped with suitable fabric giving an aesthetic finish 2) Carpet: Providing and Fixing Wall to Wall 3) Door Type & Size: Acoustic Doors of 4' X 7' with provisioning and fixing panel with vision panel for main door and control room. Provision & fixing of frame and soundproof casement door with multipoint locking system and both side handle with locking arrangement with vision panel for studio main door and control room door 4) Window: Provisioning and fixing soundproof window hermitically sealed with Glass (Size 3' x 5') 5) Air Conditioning: As required
20	UPS – 10 KVA • Features – Single Phase Input, Single Phase Output • High power backup • Wide input voltage range 230V – 20% - 15% • Output voltage 220V • Advanced Battery Management • Automatic Battery charging in UPS off mode • Short circuit and overload protection • Type – Online • Backup duration – 1 hour

ANNEXURE 2

IEC Setup at Schools

S.No	Items with Minimum Specifications	
1	Projector	
	Display Technology	DLP
	Native Resolution	WXGA 1280 x 768
	Brightness	3600 ANSI Lumens
	Aspect Ratio:	16:10 / 16:9
	I/O Connectors	HDMI, USB, Audio-in, Audio-out
	Displayable Colors	1073.4 million colors
	Projection Distance	0.5- 2.5 m
	Contrast Ratio	18000:1 or above
	Lamp Life	6000 hrs Minimum
	Light Source	Lamp
	Certification	BIS, RoHS
2	Projector Screen	
	Size	6 X 8
	Type	Manual Pull Down
	Lock	Pull down auto lock
	Mounting	Wall mount
	Fabric	High Gain fabric
3	Laptop 13.5" Screen or larger	
	Processor (CPU):	Intel Core i5 – 12 th Gen/AMD Equivalent
	Memory:	16 GB RAM
	Storage:	512 GB SSD
	Graphics	Integrated
	Interface	HDMI, Ethernet, USB
	Operating system	Ubuntu
4	Audio System	
	• 6 Speaker system with amplifier • Connectivity: AUX • Sound Output power: 60 W (each of 10 W speaker) • Power Supply Power Requirements 220-220 V AC 50/60 Hz	
5	Virtual Classroom Application Software for the E-Classroom	
	• As per Scope defined in RFP • Connectivity Compatibility Should work on all the following connectivity: Satellite (KU-Band and C-band both), Internet, Fiber, on IP technology. • Application Features LIVE Classes and Interactivity application should support Audio, Video, Screen, Written query, Images for interactions. Students should be able to ask question and participate from a classroom using the Mobile/Tablet, Laptop/Desktop. The utility should provide them with a complete	

S.No	Items with Minimum Specifications																																					
	learning environment where they can view the instructor and course material, as well as interact with the instructor by their voice or video or written query. (Features as per the project scope) ● Doubt Clarification (LIVE) During the interactive session, if students in the classroom have any doubts there should be an option to press “Raise Hand” button in the Application at E-Classroom. Should support Audio, Video, Screen, Images, Text for interactions. Class should be able to connect to an expert in doubt clarification facility through server which automatically connects to available expert at that time. ● OEM should be ISO 9001 and 27000																																					
6	HD Web camera <table><tr><td>Connection Type</td><td>USB</td></tr><tr><td>OS Support</td><td>Windows 10, Chrome OS, Android, Mac OS, Ubuntu</td></tr><tr><td>Resolution</td><td>1080P</td></tr><tr><td>USB Type</td><td>High Speed USB 2.0</td></tr><tr><td>Microphone</td><td>Built-in microphone, noise suppression</td></tr><tr><td>Focus Type</td><td>Auto</td></tr><tr><td>Field of View (FOV)</td><td>60°</td></tr><tr><td>Focal Length</td><td>3.4 mm or better</td></tr><tr><td>Clip Size (max)</td><td>0 to infinity</td></tr><tr><td>Cable Length</td><td>5 Feet or more based on the requirement</td></tr><tr><td>Indicator Lights</td><td>Activity/Power</td></tr><tr><td>Connection Type</td><td>USB</td></tr><tr><td>Certification</td><td>ROHS, FCC</td></tr><tr><td>OEM</td><td>ISO 9000</td></tr></table>		Connection Type	USB	OS Support	Windows 10, Chrome OS, Android, Mac OS, Ubuntu	Resolution	1080P	USB Type	High Speed USB 2.0	Microphone	Built-in microphone, noise suppression	Focus Type	Auto	Field of View (FOV)	60°	Focal Length	3.4 mm or better	Clip Size (max)	0 to infinity	Cable Length	5 Feet or more based on the requirement	Indicator Lights	Activity/Power	Connection Type	USB	Certification	ROHS, FCC	OEM	ISO 9000								
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7	MIC System <table><tr><td>RF Output Power</td><td>10mW</td></tr><tr><td>Modulation Mode</td><td>FM</td></tr><tr><td>Microphones</td><td>2 microphones (wireless Handheld and wireless collar mic)</td></tr><tr><td>Frequency Response</td><td>40-15,000Hz</td></tr><tr><td>Controls</td><td>On /Mute/Off Switch</td></tr><tr><td>Indication</td><td>Red LED for Mic ON</td></tr><tr><td colspan="2">CLIP</td></tr><tr><td>RF Output Power</td><td>10mW(Max.)</td></tr><tr><td>Modulation Mode</td><td>FM</td></tr><tr><td>Microphone Element</td><td>Condenser, Cardioid</td></tr><tr><td>Frequency Response</td><td>40-12,000Hz</td></tr><tr><td>Controls</td><td>On /Mute/Off Switch, Volume Control</td></tr><tr><td>Indication</td><td>Green LED indicating power of cells</td></tr><tr><td colspan="2">RECEIVER</td></tr><tr><td>Frequency Stability</td><td>0.01%</td></tr><tr><td>Audio Output</td><td>0-50mV</td></tr><tr><td>S/N Ratio</td><td>>90dB</td></tr><tr><td>Distortion</td><td><0.5%</td></tr></table>		RF Output Power	10mW	Modulation Mode	FM	Microphones	2 microphones (wireless Handheld and wireless collar mic)	Frequency Response	40-15,000Hz	Controls	On /Mute/Off Switch	Indication	Red LED for Mic ON	CLIP		RF Output Power	10mW(Max.)	Modulation Mode	FM	Microphone Element	Condenser, Cardioid	Frequency Response	40-12,000Hz	Controls	On /Mute/Off Switch, Volume Control	Indication	Green LED indicating power of cells	RECEIVER		Frequency Stability	0.01%	Audio Output	0-50mV	S/N Ratio	>90dB	Distortion	<0.5%
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S.No	Items with Minimum Specifications	
	Controls	Power Switch, Output Volume Control
	Indication	Red Led for Power ON, Green LEDs for RF indication
	Frequency Stability	0.01%
	Audio Output	0-50mV
8	Student Assessment Kit a) Receiver 2.4GHz digital two-way RF technology, 32 RF channels - Should have a common channel for all receivers as setup frequency for configuration - Should be able to change operating channel in real-time from the application - Port: REC-A: USB port or 232 port REC-C: USB port - Should be integrated with Virtual Classroom application b) Transmitter Devices - 50 Nos. - Button to press 0-9, ABCDEF, true /false, like/dislike and hand-raise question - Min 11 buttons with Functional Test report *# - Three modes configurable – RF receiver, Bluetooth and Local Storage 2.4GHz two-way RF with resting and operating channel managed by application - Should be able to send data over Bluetooth without a receiver - Store capacity of responses of 500 questions and auto sync on Bluetooth / RF - LED status: green and red with various status indications - ID Address mapping from Application for real-time Roll number allocation - Transmission distance: around 50 meters *# - Transmission angle: 360 degree - Vibration test as per IS-9000 *# - Drop Test as per IS-9000 *# - Operable environment (-10°C to 55°C) as per IS-9000 *# - Color coded (Red, Green, Yellow, Blue) - Transmitting Distance of 10 -50 meters controllable from application real-time - Should be operable by replaceable two AAA batteries - OEM Should be ISO certified - Should be ROHS Compliant *# - Storage Rack should hold 50+ Transmitter devices *# Testing Certificate from Government/Government authorized testing LAB required	
9	Communication Equipment a) Antenna - Antenna Size - Minimum 1.2 Meter - Mount Type -Elevation over Azimuth heavy-duty antenna mount. - Type of Feed - Offset feed - Antenna Adjustment Range - 0° to 360° Continuous Fine b) Satellite Modem - Satellite Modem with Ethernet output 10/100/1000 BaseT, RJ 45 - Two-way system, able to Transmit and Receive data - Accessories like adaptor, connecting cables, etc. c) Ku-band LNBF: - Receive Frequency :10.70 to 12.75 GHz - Output Frequency:950 to 1450 MHz, L band	

S.No	Items with Minimum Specifications																																
	d) BUC: - Power Output: Minimum 2 Watt Power should be adjustable to counter rain-fade effect during rainy days to maintain the quality of communication - Transmit (Output) frequency:13.75-14.50 G Hz - Receive (Input) frequency :950 to 1450 MHz, L band - OEM should be ISO certified - VSAT service provider should have more than 5000 installations in India - OEM should have unified license holder in India with CUG VSAT, NLD license, Class A																																
10	Solar Hybrid Power Backup System <table border="1"> <tr> <td>Capacity</td><td>900VA</td></tr> <tr> <td>Wattage</td><td>740W</td></tr> <tr> <td>Wave Form</td><td>Sine Wave</td></tr> <tr> <td>Nominal Output Voltage</td><td>220V+/-5VAC</td></tr> <tr> <td>Normal mode mains input range</td><td>90V to 290V +/-10V</td></tr> <tr> <td>System Operating Voltage</td><td>24 V</td></tr> <tr> <td>Frequency</td><td>50Hz</td></tr> <tr> <td>Efficiency</td><td>85%</td></tr> <tr> <td>Display</td><td>LED</td></tr> <tr> <td>Logs</td><td>Battery load, Battery percentage, Grid current etc.</td></tr> <tr> <td>Protection</td><td>Overload, Battery low voltage, Battery overcharging</td></tr> <tr> <td>Short Circuit Protection</td><td>Yes</td></tr> <tr> <td>Overload</td><td>Automatic Overload Sensing</td></tr> <tr> <td>Solar input</td><td>Yes, 42-50 VOC, Up to 20 A</td></tr> <tr> <td>Backup Time</td><td>2 Hr on actual load</td></tr> <tr> <td>Certification</td><td>BIS</td></tr> </table>	Capacity	900VA	Wattage	740W	Wave Form	Sine Wave	Nominal Output Voltage	220V+/-5VAC	Normal mode mains input range	90V to 290V +/-10V	System Operating Voltage	24 V	Frequency	50Hz	Efficiency	85%	Display	LED	Logs	Battery load, Battery percentage, Grid current etc.	Protection	Overload, Battery low voltage, Battery overcharging	Short Circuit Protection	Yes	Overload	Automatic Overload Sensing	Solar input	Yes, 42-50 VOC, Up to 20 A	Backup Time	2 Hr on actual load	Certification	BIS
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11	Wi-Fi Router - Wireless Speed:1200Mbps (2.4G + 5G) - SDRAM: 64MB - Flash: 8MB - Antenna Type: External Fixed Antenna - WAN: 1(10/100/1000) - LAN: 4 (10/100/1000) - IPv6 support: Yes - PP PoE: Yes - Band: Dual Band - Dynamic IP (DHCP): Yes - WPS: Yes - Built-in Quality of Service (QoS): Yes - Certification: BIS, OEM Should BE ISO 9001 and 14001 Certified																																

S.No	Items with Minimum Specifications
12	Podium - The storage should be capable of accommodating the Devices, keyboard, mouse, Satellite modems, Camera, Router and Student Evaluation Kits storage - The storage size should be approximately 3.5 x 2 x 1.5 Ft
13	Solar Panel: 300WP
14	Monitoring, Evaluation, analytics and assessments (As per RFP Scope)

Note:

1. Connectivity at the School:

- The required connectivity for LIVE Classes, interaction, Monitoring, Content Distribution to the schools and other project operations should be provided throughout the project period.
- Earthing must be successfully set up at every school to avoid danger to children and equipment. Must be checked regularly.

ANNEXURE 3

E-CLASSROOM TRAINING SOLUTION REQUIREMENTS

- a) The solution should include infrastructure, applications, and services required for Interactive E-Classroom, e-learning, e-assessment, Virtual Classroom platform training, and collaboration integrated into one platform.
- b) The solution should enable LIVE teaching from 'Centralized Studio' to 'all the schools. The solution must have the capability to securely multicast LIVE classes to schools.
- c) The solution should also enable beyond the school education with app-based teaching- learning and through an LMS.
- d) Applications should integrate a question-answer facility where teachers can be connected from any school.
- e) Bidder should establish LIVE assessment for every student through student assessment kits (consisting of 50 student-tools + 1 receiver at each Virtual Classroom). The analysis should be enabled at student, grade, school, district, and state levels.
- f) The solution should offer a complete interactive learning environment where teachers and students can connect with and communicate.
 - i. The solution should support multiple concurrent sessions and interactions.
 - ii. Students should be able to connect and ask questions with online teachers who assist in the program and get the answers in real time. (LIVE –2-way).
- g) The platform should be flexible and scalable to accommodate the use of new data sources, media-rich applications, advanced tools, online assessments, adaptive software, archival requirements, and other usages.
- h) The solution should include satellite connectivity for the below reasons:
 - i. To receive LIVE classes at all schools.
 - ii. Establish interactivity between Studio and E-Classroom (2-way).
 - iii. Update connectivity status of E-Classrooms in real-time.
 - iv. Update LIVE data update from student assessment kits.
- i) Platform should enable the use of digital content as a tool for teaching from the Studio/Other Teaching end. They should be able to use the content as teaching aid. Teacher video, audio, animation/ppt and teacher notes should be synced and projected at the classroom end.
- j) The platform should integrate a comprehensive student analytics system.
- k) During the agreement period, if any hardware/Software need replacement due to complete breakdown (non-repairable) then in such case the Bidder has to ensure replacement with the updated version of Hardware/Software at free of cost.

ANNEXURE 4

DIGITAL CONTENT

a) Languages, Scope, Features

Digital content provided for teaching should be in English and Mizo as per the standard of the class. The content should cover core subjects: Mathematics, English, Science, and Computer Education. Dedicated manpower for each medium of instruction should be assigned for the creation of vast digital content repository for live and recorded classes on Virtual Classroom and app-based learning. The content created should be universally compatible on platforms like Swayam and Diksha Portal.

Desired Features:

- It should be in the vector graphics format and should consume low bandwidth for transmission.
- It should include animation-based content mapped as per board of education prescribed syllabus.
- Each module should be sufficient to cover LIVE sessions of 40-60 minutes long. Hence an appropriate amount of multimedia is to be used for an engaging session.
- Content modules should not have voiceover as the studio teacher will be narrating it.
- Content should also be embedded with multiple choice questions, survey questions, and feedback questions, and other formats of interaction prompts to ask students. Responses should be synced in the analytics system.
- Content should also contain concepts of theory, lab experiments and practical demonstrations.
- The session after delivery from the teaching end should be available as a recorded class in the Virtual Classroom as well as in the student app which students can access from their mobile phones when out of school.
- The recorded files should be of high quality and low size, less than 50MB for one session.
- The e-content provided should be platform independent (Windows, Linux, Android)
- Teacher Should be able to control the follow of the content i.e. can move forward, backward, skip the portion and can directly jump to any sub section in between while delivery the sessions

b) Scriptwriting:

- The basic idea of scriptwriting in education content development can be compared with the building of a house. Like we need a very detailed plan with sketches of how the house will look once it has been built. The house is then built strictly according to the plan. In the development of video/animation lessons the same concept has to be used. The script is the basic plan with instructions on how and where closeups, dialogue, monologue or voiceovers should be placed. The plan should also have detailed descriptions of how progression should work. As a result, it raises the following technical question: “What elements should the script contain?” For each session, the script should specify:
 - Text (exact dialogue)
 - Visual appearance and layout of all the elements on each screen

- Media specifications
- Graphics, Animations, Audio
- Close - up
- The script should have detailed plan for video, animation, text and for audio/voiceover, and specify:
 - Interaction logic (feedback, branching or pop-up screens)
 - Content flow
 - Screenshots
- Scripts need to be minutely detailed. Authors need to address every issue, and nothing can be assumed to be the responsibility of another member of the team. The script should serve to inform the Quality Assurance team to ensure that it meets the program requirements as well as the production team who will use it as a blueprint to produce the final product. The QA team should look specifically at the following aspects:
 - Presentation (clarity of audio, fluency, pronunciation, etc.)
 - Content accuracy
 - Content treatment (has the content been dealt with in an appropriate way?)
 - Learner engagement (will lessons stimulate learning?)
 - Visual appearance (hooks, graphics, etc.)
 - General strengths and weaknesses of lessons

c) Monitoring and Evaluation Framework

- The Monitoring and Evaluation (M & E) framework should provide guidance regarding the monitoring of project roll out, the evaluation of content as it is being produced (e.g., developmental/pilot testing) and address issues of efficiency, effectiveness and impact of the content in context. The areas to be monitored and evaluated should be clearly enunciated even before project implementation commences.

d) Integrated MCQ Question Bank to use within Digital Content

- Multiple Choice Questions should be mapped with the Mizoram State Board curriculum and should be available in Mizo and English immediately to start for Mathematics, Science and English.
- Teachers who are selected to conduct e-Classes from any schools should be able to generate their own questions and should be provided with a feature to enter these in the virtual classroom application.

e) License on using digital content and question banks

The School Education Department, Govt of Mizoram

- 1) shall solely own the content created under the project during its lifetime. For the schools selected under the contract, the Bidder should grant the perpetual license to use digital content and question banks provided as part of the Project.
- 2) Should have the right to use the content in any number of Government/Provincialised Schools in Mizoram even those which are not under the scope of current Project.
- 3) Reserves the right to use the multimedia content in other digital classroom projects or smart classrooms projects/ICT Labs (existing or new) even when those have minimum computing facility like desktop/smart board.
- 4) Reserves the right to deploy the recorded content for student/teacher consumption in Mizoram, through mobile apps and /or other public portals for online or offline usage.

ANNEXURE 5

STUDENT ASSESSMENT SYSTEM

A. Supply and management of student assessment tools:

- Bidder should provide on average 50 handheld devices (for E-Classrooms) as student assessment tools and a receiver per school for assessing student involvement and performance during LIVE classes. These devices should be color coded (i.e. up to 4 prominent colors) for easier identification and batch management and color house competitions.
- Student assessment tools and analytics application should be active within 30 days from the program launch date.
- The dynamic mapping of student tools with the student roll numbers should be enabled during sessions, and this student unique ids/roll number should be registered to the student in computer-based database. Student remotes will be rotated in the E-Classroom with students of different grades. The data should be captured in real-time, session-wise and should be linked to specific students.
- During each LIVE session, students should be handed assessment tools to use, and they return them at the end of class.

B. Real-time analytics during the LIVE session:

- Studio/Teaching end expert should have the ability to poll the class on their understanding of concepts by asking true or false questions, single choice/multiple choice or multiple answer questions, and yes or no questions every session.
- The Analytics Platform should be able to support concurrent gathering and analysis of the data from all connected E-Classrooms for generating immediate response to studio teacher for decision making. Studio Teacher should be able to see Real-time student participation during the session and based on 'hand raise' indicators from students using the assessment tools to signal a hard spot, they should be able to identify the area of difficulty in the lesson through an AI (Artificial Intelligence) and ML (Machine Learning) supported mechanism.

C. Analytics for class teachers in the dashboard after the LIVE session:

- The school should also have access to the individual record of each student's answer in the Teacher Tools section of application which helps to monitor class progress and understanding.
- Class Teacher should be able to see student wise participation and performance for a particular topic on all cognitive rigors to make decisions on selecting of group of students and provide appropriate remedial teaching for the students respectively.
- Teacher should be provided with details on the improvement made by the child with respect to subject/topic on cognitive rigors and on difficulty level and response time.
- Performance report of student should not just be derived on mark scored but also on deeper analytics based on weighted average of cognitive rigors, accuracy, difficulty level and response time.

D. Analytics Platform Required Features

- The solution should enable data analysis for every student at topic level and concept level in every subject - based on MCQ answers given using assessment tools.
- Comprehensive dashboards should be made available for decision makers of the Department at multiple levels. Performance reports are to be made available at student/school/district/state levels.
- The analytics system should derive reports with different aspects of student learning performance such as in which subjects and topics an individual student is lagging behind, comparison of results between schools, conceptual understanding of students in particular district, etc.
- The student analytics system should integrate gauging different aspects of cognitive rigor of students such as Memory, Understanding, Knowledge Application, and HOTS (Higher Order Thinking Skills). The application should derive various details of student performance such as the level of knowledge gained, speed of answering, difficulty level mastered, and analytical skills.
- The reports should also derive different facets of teaching performance, review & feedback for sessions.
- At school level, the informational data derived from the student analytics system should help in facilitating overall instructional method changes or to help class teachers to give dedicated focus on specific students who need extra support for their holistic development.
- The analysis data derived from the analytics dashboard should help in planning remedial teaching at school/district/state levels

ANNEXURE 6

LEARNING MANAGEMENT SYSTEM (LMS app based)

A. The LMS should enable organizing any open-source digital content along with the recorded sessions created on the e-learning classroom platform. The system should also help students to plan his/her learning.

B. Features for Students:

- a) Consume Content in a Sequential and structured Order, Read Booklets, Watch Lecture Videos and Visualize better using Animation
- b) Self and comparative analytics for students, Speed and accurate analysis, Strength and weakness analysis, completing status, etc.
- c) Students should be able to ask questions from web and mobile/tablet devices, by posting images or posting a doubt.
- d) The Instructors and Students should be allowed to collaboratively answer the questions, the application should have the option to highlight the best answer, and participants can like or dislike the answer.
- e) Instructors should be able to make Push Course Announcements to Students - New content, Pending Assignments, Answer on doubt in a social wall or feed format
- f) Platform must include social leaning tools, Engage/collaborate on any academic subject, Stay connected beyond the classroom, Collaborative doubt solving even after the class is over, also the student should be able to interact with each other and with teachers.
- g) The content and collaborative learning should be limited to the people who are part of specific program/course.
- h) The Bidder should manage the Hosting Environment, Server Space, and Connectivity required for centrally hosting the LMS.

ANNEXURE 7

SUPPORTING SERVICES

A. Manpower

A Successful Bidder must employ, deploy, assign or engage the following manpower: -

- a) Experienced and qualified teachers according to the prevailing norms of the School Education Department to deliver the classes from the central studio. Compensation of these teachers will be the responsibility of the Bidder. Bidder should ensure involvement of Government academic teachers at all levels during content development and modification and upgradation as per direction of the School Education Department.
- b)
- c) Dedicated academic manpower for core subjects like Mathematics, Science, English for Class 6 to 10 as well as for value addition programs such as Remedial Teaching, Advanced Learning Sessions, Multiple Intelligence Programs for holistic development of students, Communicative English for students, Awareness for Competitive Test, Psychometric Analysis [Annual program with 200 Questions spread throughout the academic year to gauge Intelligence Quotient (IQ), Emotional Quotient (EQ), Social Quotient (SQ), Adversity Quotient (AQ)].
- d) A dedicated team for assessment should be assigned to create analysis reports from the insights generated by artificial intelligence engine. The big data thus gathered should be usable to create remedial teaching plans and advanced learning sessions, and as inputs for other holistic student development programs.
- e) Sufficient resource persons (project staff for core subjects and other programs and external resource persons as required) to cater to the program needs.
- f) Sufficient, qualified, and trained technical manpower to operate and maintain the Studio for a period of three years after the completion of the setup. All the required manpower for the entire Project's operations should be provided by the Bidder.
- g) Required manpower for the Project and shall be governed by the all the acts for deployment, ESI, PF, etc. *The School Education Department, Govt. of Mizoram shall not be responsible for any claim or absorption of the engaged manpower.*

The Successful Bidder should also utilize the available studio to conduct various co-curricular activities that increase student's interest in sports, culture, and personality development. The successful Bidder must schedule regular sessions (at least fortnightly) on multiple intelligence, moral intelligence, and emotional intelligence building through programs such as language learning exercises, speed math, Instructions for science Do-It-Yourself experiments, showing curated children's movies, training for Olympiads, integrating Fit India, Khelo India programs, etc. from the studio in the state or any other national level teaching ends. The Department will also suggest other special programs to conduct from the teaching end from time to time.

B. Training of Teachers and other Staff

The Bidder needs to train teachers at schools in the use of E-Classrooms. The training should include training on hardware and software operations and on the usage of multimedia content. Technical training should also be provided for the selected people of the Department for the operations of Studio at Aizawl during the Project tenure.

Qualification of Trainers

- The Trainers must have relevant experience in the concerned subject and should have full knowledge of Virtual Classroom setup and its usage.
- Qualification of subject experts should be Post Graduate/Graduate with M.Ed./B.Ed. degree.

Note: The Department shall assign an Academic Committee with expert resource persons and academicians for the Verification and Approval of Time Table, Content Creation, and Assessment processes.

C. Project Monitoring

The Bidder will have to provide an online project monitoring dashboard to monitor LIVE delivery of the classes, equipment health, manpower, complaints, status, etc... The monitoring tool should generate reports regarding the outcome reflecting achievements and shortcomings, as well as suggestions for improvement. The reports generated from the monitoring tool will be used to analyse the outcome of the Project. The monitoring tool may be modified later as per the recommendations of the School Education Department, Govt. of Mizoram.

The Project Monitoring Dashboard should be geo-mapped and record the following online:

- a. Information regarding subject wise delivery of LIVE classes from the studio/other teaching end.
- b. Real time information about the number of virtual classrooms working/not working, issues at virtual classrooms, etc.
- c. Connectivity status and uptime of the solution at schools.
- d. The total number of students benefitted class wise. Various types of reports at school and state levels
- e. Status of hardware installation, performance, and maintenance by the Bidder.
- f. Category wise and class wise beneficiaries.
- g. The school wise number of teachers trained.

D. Help Desk Setup

Helpdesk should comprise of helpdesk tools, policies, and helpdesk personnel. Manpower deployed at the helpdesk should log calls regarding the queries/complaints of Hardware users (schools). This Helpdesk tool should have a facility which allows users to log tickets, e-mails, telephone call, SMS, and any app provided by Bidder. Users should be able to log tickets using any of these options.

The helpdesk tool, if required should be developed/integrated by successful Bidder in consultation with the Purchaser. Bidder should also manage the inventory of all the hardware supplied and installed by them.

A Help Desk coordinator should monitor the Help Desk Operations. The Help Desk Agents should also carry out project-related back-end work. The Help Desk setup should be fully integrated with an online project monitoring tool for real-time monitoring. The system should have a common toll- free number facility with a minimum up time of 95%.

E. Indicative Manpower required for the Project

Designation	Description
Project Manager - 1	✓ Must be BE/BTECH/MBA having experience of minimum 3 years with minimum 1 years' experience in Education Technology solutions. ✓ Heads the entire Project and is responsible for successfully implementing the Project according to the Project Plan. Manages the risk, quality and progress of the project to organisational standards, and ensures the project will be completed on time. ✓ Is the execution head and the single point of contact for the entire Project. ✓ Is required to regularly communicate with key stakeholders to ensure Project outcomes are met. ✓ To submit timely all the Reports to the Director of School Education, Govt. of Mizoram and Project updates.
Studio Engineer - 1	✓ B.E./B.Tech in Computer Science/MCA/BCA ✓ Minimum two years' experience in Broadcasting/IT/Telecom/ Computer applications. ✓ Will be responsible for the operations of the studio by supervising and directing other staff. ✓ Coordinate with Program Manager on program schedule. ✓ Make sure that programmes are broadcast on time and to the highest level of quality. ✓ Servicing and testing equipment. ✓ Minimizing loss of service when equipment fails by quickly identifying and implementing alternative methods of service provision. ✓ Interpreting and implementing instructions and requests from Program manager on need basis for additional sessions
Program Manager -1	✓ Must have a Master degree or Graduate in Science (Physics or Mathematics) with a minimum of 5 to 10 years of teaching experience plus a minimum of 2 years' experience in educational technology solution or involvement in the E-Classroom/virtual classroom environment ✓ Will be responsible for planning and implementing education strategies for the program. ✓ Determine the syllabus and session plan for the classes to be run all throughout the academic sessions in the State in coordination with the Department of School Education, Mizoram. ✓ Establish a routine schedule of delivery of LIVE sessions from the Studio/Teaching Ends as per the approved time-table and session plan. ✓ Supervising and giving directions to Interaction Centre In-Charges ✓ Supervises and provides directions to Service Provider's Academic and Multimedia Teams through coordinators. ✓ Formulates and recommends changes in multimedia and delivery based on analytics and feedback from Interaction Centre In-Charges. ✓ Assists the Project Manager in reviewing the program, evaluating and reporting on a continuous basis. ✓ The position ensures compliance requirements are met, adheres to program guidelines, and develops, manages and monitors special topic programs.
Camera Men – 1	✓ Minimum one-year experience as cameraman ✓ Graduation in mass media/One-year diploma

Designation	Description
	✓ Assemble, prepare, and set up equipment prior to LIVE Delivery of sessions, which may include tripods, monitors, lighting, cables and leads and headphones ✓ Practise the camera moves required for any pre-arranged shots for special sessions. ✓ Find solutions to technical or other practical problems.
Content Delivery Experts- 6 (minimum)	✓ Post Graduate/Graduate and B.Ed/M.Ed in specific subjects ✓ Deliver the content on par with the defined standards; engage and motivate students; make learning participative. ✓ Developing weekly session plan based on the topics assigned ✓ Look into questions being asked by students.
Helpdesk/Technical Support - 2	✓ Any graduate/diploma ✓ To serve as a single point of contact for all project related incidents and service requests. ✓ To be mapped to handle requests from specific schools. Shall also handle any Project related to back-end work. ✓ Shall provide support for all kinds of disaster management at the local centres. ✓ Solve all first level issues through phone calls and second level issues to be forwarded to operations team to follow up.
Nodal Officers at District level	✓ Any Graduate/diploma ✓ Nodal Officer will be on the field and handles any incidents and service requests to help make the Digital Education system meet services availability requirements. ✓ Nodal Officer shall also train schoolteachers to use the technology setup on need basis.
Technical Engineer - 1	✓ B.E./B.Tech with 2 years of experience in Education Technology solution. ✓ To set up, install, commission equipment and instroom centres. ✓ To provide hands-on experience to Master Trainers who in turn train school staff/teachers and Nodal officers to operate the classrooms after the installations
Software Support - 1	Software expert with two to three years of experience for managing LMS centrally and to arrange on-demand capacity building of teachers

ANNEXURE 8

ASSET MANAGEMENT SYSTEM

The School Education Department, Govt. of Mizoram wishes to develop a dedicated Asset Management System for IEC program integrated with other ICT & Digital Initiatives for education in the State. IT asset management refers to an all-encompassing computer system that tracks the department's assets.

The purpose of an IT asset management solution is to:

- Effectively help manage the assets supplied under this project
- Improve visibility of assets.
- Ensure optimum utilization of assets in schools and studios
- Reduce IT and software costs.
- Ensure compliance with regulatory requirements

Required Features

Asset Management System should be cloud hosted with dashboards accessible over various devices. Schools should be able to make data-entry of the status for each equipment at a regular interval.

- **Asset Management** (User, User Type, Program, Location, Material, Status, Asset Type)
- **Asset Transactions** (Program, Material, Transaction Number, Transaction Date, Make/Model, Serial Number, Status, Institution ID, Institution Name)
- **Asset Tracking** (Classroom, Material Name, Recent Service (Date), Service Type, Warranty Terms, Replacement, Status, Since)
- **Asset Performance Management**- Minimize unplanned repair work, manage risk, reduce equipment failure extend asset life
- **Life Cycle Monitoring** - Deploy, Operate & Optimize, and Maintain & Improve processes

ANNEXURE 9
Schools where Virtual/ IEC are to be set-up

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
1	Aizawl	15030101101	Govt. Electric MS	Electric Veng, Aizawl	23.7361	92.7182
2	Aizawl	15030101401	Govt. Muma Comp. MS	Armed Veng South, Aizawl	23.7332	92.7301
3	Aizawl	15030300203	Govt. Seling MS	Seling	23.7178	92.8574
4	Aizawl	15030300211	Govt. Seling HS	Seling	23.71462	92.85169
5	Aizawl	15030300307	Govt. Lalhnam MS	Lalhnam Thingsulthlah	23.6747	92.8569
6	Aizawl	15030400807	Tuirial Sec. School	Tuirial Airfield	23.7297	92.79631
7	Aizawl	15030600201	Govt. Chanmari West MS	Chanmari, Aizawl	23.7439	92.7162
8	Aizawl	15030600302	Govt. Dinthar MS-II	Dinthar, Aizawl	23.732	92.7113
9	Aizawl	15030601201	Govt. Mission Vengthlang MS	Mission Vengthlang, Aizawl	23.7129	92.7134
10	Aizawl	15030602401	Govt. Thanbuka MS	Khatla, Aizawl	23.7193	92.7162
11	Aizawl	15030700103	Govt. Aibawk MS	Aibawk	23.555	92.7051
12	Aizawl	15030700202	Govt. Chawilung MS	Chawilung	23.4546	92.8061
13	Aizawl	15030701207	Govt. Melriat HS	Melriat	23.64132	92.72424
14	Aizawl	15030701403	Govt. Phulpui MS	Phulpui	23.533	92.729
15	Aizawl	15030701606	Govt. Samlukhai HS	Samlukhai	23.4121	92.7304
16	Aizawl	15030701811	Govt. Sialsuk HS	Sialsuk	23.3949	92.74823
17	Aizawl	15030701813	Sialsuk HSS	Sialsuk	23.39505	92.74842
18	Aizawl	15030701908	Govt. Sumsuih HS	Sumsuih	23.47498	92.74614
19	Aizawl	15030702003	Govt. Tachhip MS	Aibawk	23.582	92.7148
20	Aizawl	15030702107	Govt. Awithangpa HS	Thiak	23.47253	92.7131
21	Aizawl	15030800802	Govt. Complex MS	Luangmual, Aizawl	23.7288	92.6949
22	Aizawl	15030801002	Govt. Lawipu MS	Lawipu, Aizawl	23.7266	92.6871
23	Aizawl	15030801110	Govt. Lengpui HS	Lengpui	23.83844	92.63222
24	Aizawl	15030801203	Govt. Luangmual MS	Luangmual, Aizawl	23.73865	92.69848
25	Aizawl	15030801221	Ch. Chhunga HSS	Luangmual, Aizawl	23.73741	92.69332
26	Aizawl	15030801703	Govt. Sakawrtuichhun MS	Sakawrtuichhun, Aizawl	23.76193	92.67402
27	Aizawl	15030802002	Sairang Sihhmui UPS	Sihhmui, Aizawl	23.79898	92.64587
28	Aizawl	15030802106	Govt. Tanhril MS-II	Tanhril, Aizawl	23.73605	92.67366
29	Aizawl	15030802202	Govt. Zonuam MS	Zonuam, Aizawl	23.73516	92.6979
30	Aizawl	15030900811	Govt. Sihphir HS	Sihphir	23.82444	92.73648
31	Aizawl	15030901104	Govt. Sesawng MS	Sesawng	23.7511	92.8543

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
32	Aizawl	15030901114	Sesawng Sec. School	Sesawng	23.7566	92.8524
33	Aizawl	15031000107	Govt. Darlawn Model MS	Darlawn Vengpui	24.01705	92.93056
34	Aizawl	15031000301	Sunhluchhip UPS	Sunhluchhip School Veng	24.06537	92.89289
35	Aizawl	15031000402	Govt. Sailutar MS	Chhim Veng, Sailutar	24.064	92.9195
36	Aizawl	15031000510	Govt. Ratu HS	Dinthar Veng, Ratu	24.10567	92.92093
37	Aizawl	15031000703	Govt. New Vervek MS	N Vervek	24.1849	92.946
38	Aizawl	15031001010	Govt. Tuisualral HS	Sakawrdai	24.21948	92.95038
39	Aizawl	15031001304	Khawpuar Sec. School	Khawpuar	24.23165	92.99325
40	Aizawl	15031001509	Govt. Zohmun HS	Zohmun	24.28417	92.94505
41	Aizawl	15031001602	Govt. Palsang MS	Palsang	24.2827	92.9105
42	Aizawl	15031001705	Mauchar Sec. School	High School Tlang, Mauchar	24.35303	92.9224
43	Aizawl	15031001805	N.Tingmun Sec. School	Field Veng, N Tingmun	24.32144	92.98774
44	Aizawl	15031100111	Govt. Zoram HS	Khawruhlian	23.86959	92.87779
45	Aizawl	15031100603	Govt. Chalfilh MS	E. Phaileng	23.90826	92.92198
46	Aizawl	15031100606	Govt. E. Phaileng HS	E Phaileng	23.91164	92.92379
47	Aizawl	15031100607	E. Phaileng HSS	East Phaileng	23.91722	92.92288
48	Champhai	15040101201	Govt. Tuipui MS	Tuipui	23.44932	93.26088
49	Champhai	15040101707	Zokhawthar Sec. School	Zokhawthar	23.36738	93.38636
50	Champhai	15040101901	Govt. Zote MS	Zote	23.49474	93.35974
51	Champhai	15040102105	Govt. Ngur HS	Ngur	23.53952	93.37505
52	Champhai	15040102210	Govt. Hnahlan HS	Hnahlan Near Field Sang	23.69697	93.38338
53	Champhai	15040300101	Govt. Kelkang MS	Kelkang	23.38884	93.30818
54	Champhai	15040300105	Govt. Kelkang HS	Kelkang	23.38721	93.31357
55	Champhai	15040300601	Govt. Khuangleng MS	Field Veng, Khuangleng	23.30691	93.31429
56	Champhai	15040300609	Govt. Khuangleng HS	Dil Veng, Khuangleng	23.30398	93.31059
57	Champhai	15040300611	Khuangleng HSS	Khuangleng	23.31136	93.31543
58	Champhai	15040300701	Govt. Sazep MS	Vengsang, Sazep	23.23651	93.30257
59	Champhai	15040300806	Govt. Border HS	Vengsang, Sesih	23.29397	93.33454
60	Champhai	15040300901	Govt. Bulfekzawl MS	Bulfekzawl	23.31878	93.36607
61	Champhai	15040301201	Govt. Lianpui MS	Vengsang, Lianpui	23.25606	93.34903
62	Champhai	15040301305	Govt. Bungzung HS	Bungzung	23.28441	93.23698
63	Champhai	15040301707	Govt. Khawbung HS	Bahzar Veng Khawbung	23.17068	93.21786

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
64	Champhai	15040302111	Govt. Chhaktiang HS	Vaphai	23.14598	93.33052
65	Champhai	15040302201	Govt. Samthang MS	Samthang	23.16269	93.26644
66	Champhai	15040302501	Govt. Farkawn MS	Mualveng Farkawn	23.08031	93.29965
67	Champhai	15040302510	Govt. Thanchhuma Memorial HS	Farkawn	23.07722	93.2906
68	Hnahthial	15060100113	Govt. Pangzawl HS	Pangzawl	23.08457	92.8997
69	Hnahthial	15060100801	Govt. Leite MS	Leite	22.90031	92.91596
70	Hnahthial	15060101205	Govt. Thiltlang HS	Thiltlang	23.02291	92.92063
71	Hnahthial	15060101311	Govt. S. Vanlaiphai HS	S Vanlaiphai	22.79939	92.99686
72	Hnahthial	15060101506	Govt. Muallianpui HS	Muallianpui	22.8474	93.03131
73	Hnahthial	15060101707	Govt. Sawikunga HS	S Vanlaiphai	22.83337	92.95563
74	Hnahthial	15060101910	Govt. Cherhlun HS	Cherhlun	23.00249	93.09133
75	Hnahthial	15060102212	Govt. Thingsai HS	Thingsai	22.93258	93.08249
76	Hnahthial	15060201802	Govt. Gospel Centenary MS	Chhipphir	23.16312	92.79644
77	Hnahthial	15060201809	Govt. Chhipphir HS	Chhipphir	23.17337	92.79692
78	Khawzawl	15040200205	Govt. Khawzawl MS-II	Khawzawl Vengthar	23.51642	93.18686
79	Khawzawl	15040201209	Govt. Chawngtlai HS	Chawngtlai, Khawzawl	23.45177	93.21023
80	Khawzawl	15040201306	Govt. Rabung HS	Rabung	23.67728	93.20948
81	Khawzawl	15040201308	Rabung HSS	Rabung	23.67739	93.2092
82	Khawzawl	15040201601	Govt. Khawhai MS	Khawhai	23.38194	93.12785
83	Khawzawl	15040202102	Govt. Chhinlung MS	Sialhawk Hmarveng	23.29368	93.09572
84	Khawzawl	15040202107	Govt. Sialhawk HS	Sialhawk	23.29339	93.09244
85	Khawzawl	15040401513	Govt. Kawlkulh HS	Kawlkulh	23.61421	93.08658
86	Kolasib	15020100201	Govt. Venglai MS Kolasib	Venglai, Kolasib	24.2262	92.67615
87	Kolasib	15020100903	Govt. Meidum MS	Meidum, Bairabi	24.17846	92.57599
88	Kolasib	15020101109	Pangbalkawn Sec. School	Pangbalkawn	24.26142	92.65506
89	Kolasib	15020103802	LTM UPS	Project Veng, Kolasib	24.22122	92.67029
90	Kolasib	15020200318	Govt. Thingdawl HS	Chhim Veng, Thingdawl	24.16927	92.69552
91	Kolasib	15020200505	Zanlawn Sec. School	Zanlawn	23.98498	92.71296
92	Kolasib	15020200605	Lalthanhawla Sec. School	Mualkhang	23.91491	92.74185
93	Kolasib	15020200710	Govt. PM HS	Lungdai Sentlang	23.89134	92.73988
94	Kolasib	15020201202	Govt. MS Thingthelh	Hmarveng Thingthelh	24.17451	92.80047
95	Kolasib	15020201305	Govt. N.Hlimen HS	Field Veng, N Hlimen	24.2293	92.80471

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
96	Kolasib	15020201402	Khamrang UPS	Khamrang	23.93349	92.65355
97	Kolasib	15020201502	Govt. MS Mualkhang	Mualkhang	23.8945	92.67386
98	Kolasib	15020201614	Govt. Hortoki HS	Hortoki Vengchhak	24.06498	92.5998
99	Kolasib	15020300122	Chemphai UPS	Chemphai Bilkhawthlir	24.33664	92.74661
100	Kolasib	15020300704	Govt. MS - I Vairengte	Banglaveng, Vairengte	24.49799	92.76278
101	Kolasib	15020300913	Vakultui UPS	Vakultui, Phainuam	24.43053	92.74755
102	Kolasib	15020301309	Govt. T. Robert HS	Bilkhawthlir, Kualmawi	24.33398	92.71393
103	Kolasib	15020301509	Govt. Saiphai HS	Saiphai	24.41374	92.79668
104	Lawngtlai	15070100306	Govt. Diltlang HS	Diltlang	22.48783	92.72533
105	Lawngtlai	15070102005	Nghalimlui Sec. School	Nghalimlui	22.35697	92.655
106	Lawngtlai	15070103304	Sakeilui UPS	Sakeilui	22.54948	92.62396
107	Lawngtlai	15070103805	Govt. Chawngte (P) HS	Chawngte P	22.61502	92.64551
108	Lawngtlai	15070200205	Govt. Lairam HS	A.O.C Veng, Lawngtlai	22.54089	92.88288
109	Lawngtlai	15070200406	Govt. Region HSS	Vengpui, Lawngtlai	22.53354	92.89961
110	Lawngtlai	15070200407	Govt. Region HS Lawngtlai	Vengpui II, Lawngtlai	22.53364	92.89983
111	Lawngtlai	15070200408	Govt. Southern Public HS	Vengpui, Lawngtlai	22.53568	92.901
112	Lawngtlai	15070201008	Govt. College Veng HS	College Veng, Lawngtlai	22.5192	92.89236
113	Lawngtlai	15070201103	Eklavya Model Residential School	Chawnhu, Lawngtlai	22.48855	92.88872
114	Lawngtlai	15070201401	Green Hill MS	Saikah	22.45853	92.90746
115	Lawngtlai	15070202002	Saizawh East MS	Saizawh E	22.36559	92.83276
116	Lawngtlai	15070300106	Govt. Blue Mountain HS	Sangau-IV	22.74556	93.04806
117	Lawngtlai	15070300308	Govt. Bethel HS	Pangkhu	22.75288	93.07371
118	Lawngtlai	15070300708	Govt. Lai HS	Vawmbuk	22.597	93.07848
119	Lawngtlai	15070301006	Siachangkawn Sec. School	Siachangkawn	22.60456	93.024
120	Lawngtlai	15070301106	Govt. Bualpui (Ng) HS	Bualpui Ng	22.54682	93.03262
121	Lawngtlai	15070301407	Govt. Modern HS	Lungtian	22.71842	92.97121
122	Lawngtlai	15070302205	Sangau HSS	Sangau	22.73915	93.05305
123	Lawngtlai	15070400108	Govt. Kalamanagar-I HSS	Kamalanagar	22.62052	92.63503
124	Lawngtlai	15070400109	Govt. Kalamanagar-I HS	Kamalanagar	22.62051	92.63528
125	Lawngtlai	15070400211	Eklavya Model Residential School	Chawngte	22.6189	92.6465

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
126	Lawngtlai	15070403006	New Jognasury Sec. School	New Jagnasury-I	22.23844	92.62441
127	Lawngtlai	15070500105	Govt. Barapansury-I HS	Barapansury	22.70854	92.52747
128	Lawngtlai	15070501104	Ugudasury 'S' Sencondary School	Ugudasury S	22.50622	92.559
129	Lunglei	15060200601	Govt. Mt.Hermon MS	Ramthar Lunglei	22.87985	92.75072
130	Lunglei	15060200901	Govt MS Theiriat	Theiriat Lunglei	22.86778	92.77165
131	Lunglei	15060201014	Govt. Haulawng HS	Haulawng	23.04778	92.77106
132	Lunglei	15060201411	Govt. Mualthuam North HS	Mualthuam N	23.1115	92.74224
133	Lunglei	15060202101	Govt. MS Tawipui South	Tawipui S	22.67432	92.84548
134	Lunglei	15060202108	Govt. Tawipui South HS	Tawipui S	22.67427	92.84559
135	Lunglei	15060202704	Khawmawi Sec. School	Khawmawi	22.50805	92.774
136	Lunglei	15060203008	Govt. Thingfal HS	Thingfal	22.61732	92.87414
137	Lunglei	15060203009	Thingfal HSS	Thingfal	22.62116	92.87059
138	Lunglei	15060203514	Govt. Zobawk HS	Zobawk S	22.85519	92.81919
139	Lunglei	15060301913	Govt. Lungsen HS	Lungsen	22.87533	92.58715
140	Lunglei	15060302107	Govt. Tipperaghat HS	Tipperaghat-I	22.82392	92.49397
141	Lunglei	15060303218	Tlabung HSS	Zodin Tlabung	22.91503	92.47347
142	Lunglei	15060400201	Govt. Venghlun MS	Venghlun	22.89566	92.74418
143	Lunglei	15060401202	Govt. Standard MS	Buarpui	23.2802	92.65395
144	Lunglei	15060401208	Govt. Buarpui HS	Buarpui	23.27999	92.65655
145	Lunglei	15060403306	Govt. Bunghmun HS	Bunghmun	23.18063	92.48975
146	Mamit	15010100606	Darlak Sec. School	Darlak	23.89949	92.41934
147	Mamit	15010100707	Govt. Agape MS-IV	Luangpawl	23.89914	92.49647
148	Mamit	15010101009	Govt. Kawrthah HSS	Kawrthah Chhim Veng Near Forest Rest House	23.99089	92.37313
149	Mamit	15010101010	Govt. Kawrthah HS	Kawrthah South Near Forest Rest House	23.99152	92.37358
150	Mamit	15010101106	Govt. Rengdil HS	Rengdil Kawn Veng	24.06725	92.38723
151	Mamit	15010101307	Govt. Kawrtethawveng HS	Kawrtethawveng	23.86807	92.37751
152	Mamit	15010102802	Govt. Chuhvel MS	Kananthar Road Chuhvel	24.12415	92.46964
153	Mamit	15010102902	Govt. Hriphaw MS	Lal Veng, Hriphaw	24.20292	92.4205
154	Mamit	15010103106	Saikhawthlir Sec. School	Saikhawthlir	24.13427	92.47953
155	Mamit	15010103302	Govt. Mamit MS-III	Mamit Dinthar	23.94328	92.4914

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
156	Mamit	15010105602	Kolalian UPS	Kolalian	24.24655	92.42122
157	Mamit	15010200102	Hnahva UPS	Hnahva	23.35755	92.39759
158	Mamit	15010200208	Silsury Sec. School	Silsury	23.39	92.37139
159	Mamit	15010200808	Govt. Phuldungsei HS	Phuldungsei Chaltui Veng	23.48692	92.42051
160	Mamit	15010201002	W. Phulpui UPS	W. Phulpui Vengchhak	23.41192	92.43107
161	Mamit	15010201301	Khantlang UPS	Khantlang	23.74711	92.26893
162	Mamit	15010201608	Rajiv Nagar Sec. School	Rajiv Nagar-I	23.71956	92.30071
163	Mamit	15010201810	Govt. W.Phaileng HS	HS Veng, W.Phaileng	23.69765	92.4917
164	Mamit	15010202001	Govt. Damparengpui MS	Damparengpui	23.71593	92.41308
165	Mamit	15010202102	Tuirum UPS	Tuirum	23.75952	92.44662
166	Mamit	15010203514	Govt. Marpara HS	Marpara North	23.26716	92.41063
167	Mamit	15010203602	Hruiduk UPS	Hruiduk	23.29516	92.43705
168	Mamit	15010300302	Nghalchawm UPS	Nghalchawm	23.77213	92.62863
169	Mamit	15010300707	Dapchhuah Sec. School	Dapchhuah	23.77095	92.51873
170	Mamit	15010300802	Govt. Tuahzawl MS	Tuahzawl	23.76603	92.56028
171	Mamit	15010300904	Govt. Rawpuichhip MS	Rawpuichhip	23.78414	92.55885
172	Mamit	15010300906	Govt. Rawpuichhip HS	Rawpuichhip	23.78435	92.56033
173	Mamit	15010400103	Govt. Reiek MS I	Reiek	23.69816	92.60631
174	Mamit	15010400109	Govt. Reiek HS	Reiek	23.69638	92.60632
175	Mamit	15010400606	Govt. Darlung HS	Darlung	23.4588	92.59907
176	Mamit	15010400904	Govt. Khawrihnim HS	Khawrihnim	23.37341	92.37271
177	Mamit	15010401302	Govt. W.Lungdar MS	West Lungdar	23.64244	92.59513
178	Siaha	15080101201	Govt. Thiahra MS	Thiahra	22.59603	92.97039
179	Siaha	15080102001	Govt Amobyu Vaithie MS	Amobyu Vaithie	22.46819	92.95576
180	Siaha	15080102104	Chhualung HS	Chhaolo	22.44032	93.09936
181	Siaha	15080102306	Noaotlah - I UPS	Noaotlah	22.48436	93.0793
182	Siaha	15080103601	Govt. Education Vaih MS	Education Vaih, Siaha	22.4945	92.9872
183	Siaha	15080200301	Tipa B MS	Tipa B	22.30845	93.00307
184	Siaha	15080200405	Govt. Mara HS	Saikao	22.35911	92.98067
185	Siaha	15080200604	Theiri Sec. School	Theiri	22.374	93.03746
186	Siaha	15080200606	Theiri HSS	Theiri	22.37436	93.03729
187	Siaha	15080200806	Govt. Zyhno HS	Zyhno	22.2584	93.04621
188	Siaha	15080201304	Border HS	Laki	22.14699	93.00934
189	Siaha	15080203106	Govt. Chakhang HS	Chakhei	22.29437	93.14121
190	Siaha	15080203401	Govt. Siasih MS	Siasih	22.27924	93.19284
191	Siaha	15080203904	Govt. Tuipang HS	Tipa	22.31781	93.02153

S.No	District	UDISE Code	School Name	Address	Latitude	Longitude
192	Saitual	15030401302	Govt. Mualpheng MS	Mualpheng	23.6083	92.9748
193	Saitual	15030500810	Govt. National HS	Phullen	23.85354	93.04356
194	Saitual	15030500811	Phullen HSS	Phullen	23.85354	93.04356
195	Saitual	15030501110	Govt. Phuaibuang HS	Phuaibuang	23.92614	93.12503
196	Saitual	15030501112	Phuaibuang HSS	Phuaibuang	23.92614	93.12503
197	Saitual	15031100404	Lailak Sec. School	Lailak	23.83753	92.90847
198	Saitual	15031101010	Govt. Suangpuiawn HS	Suangpuiawn	23.95927	93.0409
199	Saitual	15031101103	Lamherh Sec. School	Lamherh	24.0074	93.03365
200	Saitual	15031101204	Govt. Vanbawng MS-II	Vanbawng	24.04239	93.04603
201	Saitual	15031101207	Govt. Vanbawng HS	Vanbawng	24.04333	93.04841
202	Saitual	15031101305	N.Khawlek Sec. School	N Khawlek	24.07179	93.01794
203	Saitual	15040400115	Eklavya Model Residential School	Saphmuahna Mual, Ngopa	23.88555	93.21481
204	Saitual	15040400116	Ngopa HSS	Ngopa	23.88548	93.21308
205	Saitual	15040400209	Govt. NE Khawdungsei HS	NE Khawdungsei	23.98397	93.21525
206	Saitual	15040400806	Govt. Kawlbem HS	Kawlbem	23.87149	93.31113
207	Saitual	15040401101	Govt. Hliappui MS-I	Hliappui	23.74959	93.10132
208	Saitual	15040401110	Govt. Hliappui HS	Hliappui	23.74746	93.10282
209	Saitual	15040401204	Govt. Saichal HS	Saichal	23.72197	93.06782
210	Serchhip	15050101004	Govt. Zoram MS	Thenzawl	23.29162	92.77343
211	Serchhip	15050200109	Govt. North Vanlaiphai MS	N Vanlaiphai	23.13174	93.06587
212	Serchhip	15050200504	Govt. East Lungdar MS-II	E Lungdar	23.19752	93.08498
213	Serchhip	15050200508	Govt. East Lungdar HS	E Lungdar	23.20347	93.09011
214	Serchhip	15050201304	Govt. Keitum MS	Keitum	23.2327	92.91039
215	Serchhip	15050201308	Govt. Keitum HS	Keitum	23.23155	92.91014
216	Serchhip	15050201410	Govt. Bungtlang HS	Bungtlang	23.18934	92.89931
217	Serchhip	15050300106	Govt. Lungpho HS	Lungpho	23.38133	93.00504
218	Serchhip	15050300704	Khawbel Sec. School	Khawbel	23.44365	92.94925
219	Serchhip	15050301308	Govt. Baktawng HS	Baktawng	23.54109	92.84664
220	Serchhip	15050301506	Govt. Democratic HS	Khumtung	23.56222	92.85087

SECTION V

TERMS AND CONDITIONS OF TENDER & CONTRACT

1. Definitions

For clarity, the following words and expressions shall have the meanings hereby assigned to them: -

- a. "Business Day" means all working calendar days except Government declared Holidays and local holidays.
- b. "Contract" means the Agreement entered between the Purchaser and the Successful Bidder, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- c. "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.
- d. "Contract Price" means the price payable to the Successful Bidder as specified in the Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- e. "Day" means a calendar day.
- f. "Delivery" means the transfer of the Goods from the selected Bidder to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- g. "Completion" means the fulfilment of the related services by the Successful Bidder in accordance with the terms and conditions set forth in the Contract.
- h. "Goods" means all the commodities, raw material, machinery and equipment, and/or other materials that the Successful Bidder is required to supply to the Purchaser under the Contract.
- i. "Purchaser" or "Director of School Education, Govt. of Mizoram" means the entity purchasing the goods and related services, as specified in the bidding document.
- j. "Related Services" means the services incidental to the supply of the goods, such as transit insurance, installation, training and initial maintenance and other similar obligations of the Successful Bidder under the Contract.
- k. "Subcontractor" means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the goods to be supplied or execution of any part of the related services is subcontracted by the Successful Bidder.
- l. "Successful Bidder" means the person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement and includes the legal successors or permitted assigns of the Successful Bidder.
- m. "The Site," where applicable, means the designated project place(s) named in the bidding document.

2. General Conditions of the Bid

- a) No Bidder without a valid Permanent Account Number (PAN) from Income Tax Department, Government of India and GST No. in the State where his business is located, shall bid.

- b) Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

3. Interpretation

- a) If the context requires it, singular means plural and vice versa.
- b) **Entire Agreement:** The Contract constitutes the entire agreement between the Purchaser and the Successful Bidder and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.
- c) **Amendment:** No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by duly authorized representatives of each party thereto.
- d) **Non-waiver:** Subject to the condition (f) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- e) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
- f) **Severability:** If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

4. Language

- a) The Contract as well as all correspondence and documents relating to the Contract exchanged by the Successful Bidder and the Purchaser, shall be written in English language only. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the special conditions of the contract, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- b) The Successful Bidder shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

5. Eligible Goods and Related Services

- a) For purposes of this Clause, the term "goods" includes commodities, raw material, machinery, equipment, and industrial plants; and "related services" includes services such as transit insurance, transportation, supply, installation, integration, testing, commissioning, training, and initial maintenance.
- b) For all articles/goods being bid, which are classified as from major OEMs, the Bidder should submit a letter by a competent authority of the manufacturer. All products quoted by the successful Bidder must be associated with specific make and model numbers, item code and names, and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder/ supplier.

- c) In the event of obsolescence of any goods, the Successful Bidder should supply equivalent or higher configuration equipment to enable uninterrupted operation.
- d) The OEM/Solution Provider of the quoted product must have its own registered spares depot in India having adequate inventory of the equipment being quoted for providing the necessary spares within next business day or maximum 48 hours.
- e) Bidder must quote products in accordance with above clause “Eligible goods and related services”.

6. Notices

- a) Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the contract. The term “in writing” means communicated in written form with proof of dispatch and receipt.
- b) A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.

7. Governing Law

The Contract shall be governed by and interpreted in accordance with the laws of India, unless otherwise specified in the contract.

8. Scope of Supply

- a) Subject to the provisions in the bidding document and contract, the goods and related services to be supplied shall be as specified in the bidding document.
- b) Unless otherwise stipulated in the Contract, the scope of supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining delivery and completion of the goods and related services as if such items were expressly mentioned in the Contract.

9. Delivery & Installation

- a) Subject to the conditions of the contract, the delivery of the goods and completion of the related services shall be in accordance with the delivery and completion schedule specified in the bidding document. The details of supply/shipping and other documents to be furnished by the Successful Bidder are specified in the bidding document and/ or contract.
- b) The contract for the supply can be repudiated at any time by the purchase officer, if the supplies are not made to his satisfaction after giving an opportunity to the Bidder of being heard and recording the reasons for repudiation.
- c) The Successful Bidder shall arrange to supply, install, and commission the ordered materials/system as per specifications within the specified delivery/ completion period at various departments and/ or their offices/ locations mentioned in the bidding document and/ or contract.
- d) Shifting the place of Installation: The end-user will be free to shift the place of installation within the same city /town/ district. The successful Bidder shall provide all assistance, except transportation, in shifting the equipment. However, if the village/city/town is changed, additional charges of assistance in shifting and providing maintenance services for the remaining period would be decided mutually.

10. Successful Bidder's Responsibilities

The Successful Bidder shall supply all the goods and related services included in the scope of supply in accordance with the provisions of the bidding document and/or contract.

11. Purchaser's Responsibilities

- a) Whenever the supply of goods and related services requires that the Successful Bidder obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Successful Bidder, make its best effort to assist the Successful Bidder in complying with such requirements in a timely and expeditious manner.
- b) The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with the general and special conditions of the contract.

12. Contract Price

- a) The Contract Price shall be paid as specified in the contract subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.
- b) Prices charged by the Successful Bidder for the Goods delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Successful Bidder in its bid, with the exception of any price adjustments authorized in the special conditions of the contract.

13. Recoveries from Successful Bidder

- a) Recovery of liquidated damages, short supply, breakage, rejected articles shall be made ordinarily from bills.
- b) The Purchaser shall withhold amount to the extent of short supply, broken/ damaged, or for rejected articles unless these are replaced satisfactorily. In case of failure to withhold the amount, it shall be recovered from his dues and performance security deposit available with the Purchaser.
- c) The balance, if any, shall be demanded by the Successful Bidder and when recovery is not possible, the Purchase Officer shall take recourse to law in force.

14. Taxes & Duties

- a) The Purchaser shall be responsible for withholding taxes from the amounts due and payable to the Successful Bidder wherever applicable. The Successful Bidder shall pay for all other taxes, duties or levies in connection with this Contract, Operations, and any other Project Engagement Definition including, but not limited to, property, sales, use, excise duty, value-added, goods and services, consumption and other applicable taxes, duties or levies.
- b) The Purchaser shall provide the successful Bidder with the original tax certificate of any withholding taxes paid by him/her or its nominated agencies on payments under this Contract. The successful Bidder agrees to reimburse and hold the Director of School Education, Govt. of Mizoram or any of its nominated agencies harmless from any deficiency (including penalties and interest) relating to taxes that are its responsibility under this paragraph. For purposes of this contract, taxes, duties or levies shall include taxes, duties, levies or GST incurred on transactions between and among the Department and the successful Bidder.

- c) In the event of any increase or decrease of the rate of taxes and duties due to any statutory notification(s) during the term of the Contract, the consequential effect shall be to the account of the Purchaser.

15. Performance Security Deposit (PSD)/ Performance Bank Guarantee

- a) The Successful Bidder shall, within 30 days of the notification of Contract award, provide a PSD 5% of the ordered project value for the due performance of the Contract in the amounts and currencies specified in the work order. The EMD amount of successful Bidder can be converted as part of the Performance Guarantee. The proceeds of the PSD shall be payable to the Purchaser as compensation for any loss resulting from the Successful Bidder failure to complete its obligations under the Contract.
- b) Form of PSD: Successful Bidder will have to deposit PSD in the form of Bank Guarantee issued by one of the Nationalized /Scheduled Banks in India drawn in favor of “**Director, School Education Department, Govt. of Mizoram**” payable at “**Aizawl**”.
- c) **Refund of PSD:** PSD shall be refunded after three months of the successful completion of the contract period.
- d) **Forfeiture of PSD:** PSD shall be forfeited in the following cases: -
- When the Successful Bidder fails to commence supply or stops making the supplies or fails to provide deliverables after partially executing the purchase/work order.
 - To adjust any dues against the firm from any other contract with the School Education Department, Govt. of Mizoram.
- f) No interest will be paid by the School Education Department, Govt. of Mizoram on the amount of EMD and PSD/PBG.
- g) Proper notice will be given to the Successful Bidder with reasonable time before EMD/ PSD is forfeited.

16. Confidential Information

- a) The Purchaser and the Successful Bidder shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any drawings, documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract.
- b) The Successful Bidder may furnish to its Subcontractor, if permitted, such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Successful Bidder shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Successful Bidder.
- c) The Purchaser shall not use such documents, data, and other information received from the Successful Bidder for any purposes unrelated to the Contract. Similarly, the Successful Bidder shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.
- d) The obligation of a party under sub-clauses above, however, shall not apply to information that: -

- i. the Purchaser or Successful Bidder need to share with the School Education Department, Govt. of Mizoram other institutions participating in the Contract; now or hereafter enters the public domain through no fault of that party;
 - ii. can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- e) The above provisions shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the supply or any part thereof.
- f) The provisions of this clause shall survive completion or termination, for whatever reason, of the Contract.

17. Specifications and Standards

- a) All articles supplied shall strictly conform to the specifications, trademark laid down in the tender form and wherever articles have been required according to ISI/ ISO/ other applicable specifications/ certifications/ standards, those articles should conform strictly to those specifications/ certifications/ standards. The supply shall be of the best quality and description. The decision of the competent authority/ purchase committee whether the articles supplied conform to the specifications shall be final and binding on the Successful Bidder.
- b) Technical Specifications and Drawings-
- The Successful Bidder shall ensure that the goods and related services comply with the technical specifications and other provisions of the Contract.
 - The Successful Bidder shall be entitled to disclaim responsibility for any design, data, drawing, specification, or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
 - The goods and related services supplied under this Contract shall conform to the standards mentioned in bidding document and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the goods.
- c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the bidding document. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with the general conditions of the contract.

19. Packing and Documents

- a) The Successful Bidder shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the

remoteness of the final destination of the goods and the absence of heavy handling facilities at all points in transit.

- b) The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the contract, and in any other instructions ordered by the Purchaser.

20. Transportation

- a) The Successful Bidder shall be responsible for the proper packing to avoid damage under normal conditions of transport by sea, rail and road or air and delivery of the material in good condition to the consignee at destination. In the event of any loss, damage, breakage or leakage or any shortage the Bidder shall be liable to make good such loss and shortage found at the checking/ inspection of the material by the consignee. No extra cost on such an account shall be admissible.
- b) All goods must be sent freight paid through Railways or goods transport. Goods should not be sent on freight **To Pay**.

21. Inspection

- a) The Purchase Officer or his duly authorized representative shall at all reasonable times have access to Successful Bidder's premises and shall have the power at all reasonable times to inspect and examine the materials and workmanship of the goods/ equipment/ machinery during the manufacturing process or afterwards as may be decided.
- b) The Successful Bidder shall furnish the complete address of the premises of his factory, office, go-down and workshop where inspection can be made together with name and address of the person who is to be contacted for the purpose. In the case of those dealers who have newly entered in business, a letter of introduction from their bankers will be necessary.
- c) After successful inspection, it will be Successful Bidder's responsibility to dispatch and install the equipment at respective locations without any financial liability to the Purchaser. However, supplies when received at respective locations shall be subject to inspection to ensure whether they conform to the specification.
- d) In the case of tests, wherever feasible, samples shall be drawn in four sets in the presence of Successful Bidder or his authorized representative and properly sealed in their presence. Once such a set be given to them, one or two will be sent to the laboratories and/ or testing house and the third or fourth will be retained in the office for reference and record. The sample shall be returned after the completion of tests.
- e) Testing charges shall be borne by the School Education Department, Govt. of Mizoram. In case of test results showing that supplies are not up to the prescribed standards or specifications, the testing charges shall be payable by the Successful Bidder.

22. Extension in Delivery Period and Liquidated Damages (LD)

- a) Except as provided under clause "Force Majeure", if the Successful Bidder fails to deliver any or all of the Goods or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct as liquidated damages, a sum equivalent to the percentage specified in (d) below for each week or part thereof of delay until actual delivery or performance, up to a maximum

deduction of the percentage specified in the bidding document and/ or contract for the respective goods or services which is delayed. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to clause “Termination”.

- b) The time specified for delivery in the tender form shall be deemed to be the essence of the contract and Successful Bidder shall arrange goods supply and related services within the specified period.
- c) Delivery and installation/completion period may be extended with or without liquidated damages, if the delay in the supply of goods or service is on account of hindrances beyond the control of the Successful Bidder.
 - i. The Successful Bidder shall request in writing to the purchaser giving reasons for extending the delivery period of service if he finds himself unable to complete the supply of goods or service within the stipulated delivery period or is unable to maintain prorate progress in the supply of goods or service delivery. This request shall be submitted as soon as a hindrance in delivery of goods and service occurs or within 15 days of such an occurrence but before expiry of stipulated period of completion of delivery of goods and services after which such request shall not be entertained.
 - ii. The purchaser shall examine the justification of causes of hindrance in the delivery of goods and service and the period of delay which occurred due to that and recommend the competent authority on the period of extension which should be granted with or without liquidated damages.
 - iii. Normally, extension in delivery period of goods and service in following circumstances may be considered without liquidated damages:
 - When delay has occurred due to delay in supply of drawings, designs, plans etc., if the School or the School Education Department was required to supply them to the supplier of goods or service provider as per terms of the contract.
 - When delay has occurred in supply of materials etc., if these were required to be supplied to the supplier or service provider by the School or School Education Department as per terms of the contract.
 - iv. If the competent authority agrees to extend the delivery period/schedule, an amendment to the contract with suitable denial clauses and with or without liquidated damages shall be issued. The amendment letter should mention that no extra price or additional cost for any reason, whatsoever beyond the contracted cost shall be paid for the delayed supply of goods and service.
 - v. It shall be at the discretion of the concerned authority to accept or not to accept the supply of goods and/or services rendered by the contractor after the expiry of the stipulated delivery period, if no formal extension in delivery period has been applied and granted.
 - vi. If School or School Education Department is in need of the good and/or service rendered after expiry of the stipulated delivery period, it may accept the services and issue a letter of extension in the delivery period with usual liquidated damages and denial clauses to regularize the transaction.
- d) In case of extension in the delivery and/or installation/completion/commissioning period is granted with full liquidated damages, the recovery shall be made based on following percentages of value of goods and/ or service which the Successful Bidder has failed to supply or complete: -

No.	Condition	LD %*
1)	Delay up to one fourth period of the prescribed period of delivery, successful installation and completion of work	2.5%
2)	Delay exceeding one fourth but not exceeding half of the prescribed period of delivery, successful installation, and completion of work	5.0 %
3)	Delay exceeding half but not exceeding three-fourths of the prescribed period of delivery, successful installation and completion	7.5 %
4)	Delay exceeding three-fourths of the prescribed period of delivery, successful installation and completion of work	10.0 %

- i. Fraction of a day in reckoning period of delay in supplies, successful installation and completion of work shall be eliminated, if it is less than half a day.
- ii. The maximum number of liquidated damages shall be 10%.
- iii. *The percentage refers to the payment due to the associated milestone.

23. Authenticity of Equipment

- a) The Successful Bidder shall certify that the supplied goods are brand new, genuine/ authentic, not refurbished, conform to the description and quality as specified in this bidding document and are free from defects in material, workmanship and service.
- b) If during the contract period, the said goods be discovered counterfeit/unauthentic or not to conform to the description and quality aforesaid or have determined (and the decision of the Purchase Officer in that behalf will be final and conclusive), notwithstanding the fact that the purchaser may have inspected and/ or approved the said goods, the purchaser will be entitled to reject the said goods or such portion thereof as may be discovered not to conform to the said description and quality, on such rejection the goods will be at the Successful Bidder's risk and all the provisions relating to rejection of goods etc., shall apply. The Successful Bidder shall, if so called upon to do, replace the goods etc., or such portion thereof as is rejected by Purchase Officer, otherwise the Successful Bidder shall pay for such damage as may arise by the reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the Purchase Officer in that behalf under this contract or otherwise.
- c) Goods accepted by the purchaser in terms of the contract shall in no way dilute purchaser's right to reject the same not later than two months from the purchase date.

24. Warranty

- a) The Bidder must supply all items with an onsite warranty for one years without any additional costs.
- b) The purchaser shall give a written notice to the Successful Bidder stating the nature of any defect together with all available evidence thereof, promptly following the discovery thereof. The purchaser shall afford all reasonable opportunities for the Successful Bidder to inspect such defects. Upon receipt of such notice, the Successful Bidder shall expeditiously repair the defective goods or parts thereof or replace the defective goods or parts thereof with brand new genuine/ authentic ones having similar or higher

specifications, at no cost to the Purchaser. Any goods repaired or replaced by the Successful Bidder shall be delivered at the respective location without any additional costs to the purchaser.

- c) If having been notified, the Successful Bidder fails to remedy the defect within the period specified, the purchaser may proceed to take within a reasonable period such remedial action as may be necessary, in addition to other resources available in terms and conditions of the contract and bidding document.
- d) During the warranty period, the Bidder shall also be responsible for ensuring adequate and timely availability of spare parts needed for repairing the supplied goods.

25. Patent Indemnity

- a) The Successful Bidder shall, subject to the Purchaser's compliance with sub-clause(b) below, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of: -
 - the installation of the Goods by the Successful Bidder or the use of the goods in the country where the site is located; and
 - the sale in any country of the products produced by the goods.
- b) Such indemnity shall not cover any use of the goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Successful Bidder, pursuant to the Contract.
- c) If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to above, the Purchaser shall promptly give the Successful Bidder a notice thereof, and the Successful Bidder may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- d) If the Successful Bidder fails to notify the Purchaser within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- e) The Purchaser shall, at Successful Bidder's request, afford all available assistance to the successful Bidder in conducting such proceedings or claim, and shall be reimbursed by the successful Bidder for all reasonable expenses incurred in so doing.
- f) The Purchaser shall indemnify and hold harmless the successful Bidder and its employees, officers, and subcontractors (if any) from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the successful Bidder may suffer as a

result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

- g) All rights, title, and interest in and to, and ownership in, Proprietary Information of Successful Bidder, which is provided to the School Education Department, Govt. of Mizoram for the Project including source code of any pre-existing application of the Successful Bidder, shall remain solely with the Successful Bidder. The School Education Department, Govt. of Mizoram shall use Successful Bidder Proprietary Information in connection with the services or to the extent necessary for the Project's normal operational, repair and maintenance purposes related to the services. The School Education Department, Govt. of Mizoram shall not resale or redistribute such Proprietary Information of the Successful Bidder.

26. Limitation of Liability

Except in cases of gross negligence or willful misconduct: -

- a. neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Successful Bidder to pay liquidated damages to the Purchaser; and
- b. the aggregate liability of the Successful Bidder to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the Contract, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Successful Bidder to indemnify the Purchaser with respect to patent infringement.

27. Change in Laws & Regulations

Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in State/India, where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/ or the Contract Price, then such Delivery Date and/ or Contract Price shall be correspondingly increased or decreased, to the extent that the Successful Bidder has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced costs shall not be separately paid or credited, if the same has already been accounted for in the price adjustment provisions where applicable.

28. Force Majeure

- a) The Successful Bidder shall not be liable for forfeiture of its PSD, LD, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- b) For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Successful Bidder that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Successful Bidder. Such events may include, but not be limited to, acts of the Purchaser in its own capacity, wars or revolutions, fires, floods, epidemics, pandemics, climate crisis, quarantine restrictions, and freight embargoes.
- c) If a Force Majeure situation arises, the Successful Bidder shall promptly notify the Purchaser in writing of such conditions and cause thereof within 15 days of occurrence of such event. Unless otherwise directed by the Purchaser, the Successful Bidder shall continue to perform its obligations under the contract as far as reasonably practical.
- d) If the performance in whole or part or any obligation under the contract is prevented or delayed by any Force Majeure for a period exceeding 60 days, both the parties can discuss further action.

29. Change Orders and Contract Amendments

- a) The Purchaser may at any time order the Successful Bidder through Notice in accordance with clause “Notices” above, to make changes within the general scope of the Contract in any one or more of the following: -
- drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - the method of shipment or packing;
 - the place of delivery; and
 - the related services to be provided by Successful Bidder.
- b) If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s/ Successful Bidder’s performance of any provisions under the Contract, an equitable adjustment shall be made to the Contract Price or in the Delivery and Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Successful Bidder for adjustment under this clause must be asserted within thirty days from the date of the supplier’s/ Successful Bidder’s receipt of the Purchaser’s change order.
- c) Prices to be charged by the Successful Bidder for any related services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Successful Bidder for similar services.

30. Settlement of Disputes

- a) Any dispute or difference of whatsoever nature howsoever arising under, out of, or in connection with this Agreement between the parties shall be resolved through the dispute resolution procedures as set out hereafter.
- b) Each party to a dispute shall select and appoint one senior representative within a period of 30 days from the day on which one party has sent the notice of dispute to the other party to the dispute. The representatives shall meet in Aizawl as and when necessary, from time to time and attempt in good faith and always use their best endeavors to resolve the

dispute and produce written terms of settlement. The meetings of representatives shall be conducted in English.

- c) If the dispute has not been resolved as evidenced by the signing of the written terms of settlement within 30 business days after the receipt of the notice such dispute shall be submitted to arbitration and shall be finally determined in accordance with the provisions of the Indian Arbitration and Conciliation Act, 1996 or any modification or amendment thereof (the "Indian Arbitration Act")
- d) The venue of arbitration shall be Aizawl, and the language of the arbitration shall be English and the award shall be made in the English language. The number of arbitrators shall be three. The Contractor shall nominate one arbitrator, the Employer shall nominate another, and the presiding arbitrator shall be jointly appointed by the two arbitrators so appointed by the parties.
- e) If the other party fails to appoint an arbitrator within thirty (30) days from the receipt of the request to do so from the aggrieved party or if the two (2) appointed arbitrators fail to agree on the presiding arbitrator within thirty (30) days from the date of their appointment, the parties shall be free to approach the Secretary, Indian Council of Arbitration, Tansen Marg, New Delhi (without application of the ICA Rules) for appointment of an arbitrator or the presiding arbitrator and his decision shall be final and binding on the parties.
- f) Each of the Parties expressly understands and agrees that the award shall be the sole, exclusive, final and binding remedy between them regarding the dispute(s) presented to the arbitral tribunal. The parties hereto agree that the arbitral award may be forced against the Parties or their assets wherever they may be found and that a judgment upon the arbitral award may be entered in any court having jurisdiction.
- g) The existence of any dispute(s) or difference(s) or initiation or continuance of the arbitration proceedings shall not permit the Parties to postpone or delay the performance by the parties to the arbitration of their respective obligations pursuant to this Agreement. If court proceedings to stay litigation or compel arbitration are necessary, the Party who unsuccessfully opposes such proceedings shall pay all associate costs, expenses and attorney's fees, which are reasonably incurred by the other party to the arbitration
- h) Each Party shall bear its respective costs in relation to any arbitration proceedings.
- i) The provision with respect to arbitration on these clauses shall survive on termination of this Agreement or any takeover of the Project by Government of Mizoram

31. Project Timelines and Payment Terms

- a) **Payment schedule** – Payments to the Bidder, after successful completion of the target milestones (including specified project deliverables), would be made as under: -

Component	Payment Term Description	Timeline
Non-Recurring Cost	The payment will be made as follows: A) 60% of the Quoted Price of hardware & supporting software for central infrastructure in studio and 220 schools will be paid to the Bidder (Pro-Rata basis) upon successful and satisfactory delivery of all equipments <i>[Deliverables: Delivery Receipt signed and sealed by the competent authority]</i> B) And 40% of the Quoted Price after installation of hardware, Commissioning & Testing of Schools and Studio and Connectivity establishment in studio and all the 220 schools (Pro-Rata basis) <i>[Deliverables: Certificate of successful commissioning of Studio and Virtual Classrooms components comprising installation of all items as per the Scope of work by the respective District Education Officer, Sub-Divisional Education Officer or any other designated authority]</i>	A) To be delivered within 90 working days from signing the contract B) Within 60 working days from the receipt of deliverable certificates
Recurring Cost [Operations & Maintenance]*	A) The payment for 220 schools under Recurring Component will be paid to the successful Bidder in Quarterly installments on submission of Quarterly Reports. The First Quarterly period to start from the date of Go-Live.	Quarterly payment as per billing

**Note: O&M payment will be released to the successful Bidder subject to approval and release of funds.*

- b) The Bidder request for payment shall be made to the purchaser in writing, accompanied by invoices describing, as appropriate, the goods delivered and related services performed, and by the required documents submitted pursuant to general conditions of the contract and upon fulfillment of all the obligations stipulated in the Contract.
- c) The annual recurring cost should be quoted by the contractor considering billing for all 12 months in the calendar year. Bandwidth required for the project and project team should be available even during school closure/holidays/vacations as well.
- d) Due Payments shall be made promptly by the purchaser, generally within thirty (30) days after submission of an invoice or request for payment by the Successful Bidder, and the purchaser has accepted it.
- e) The currency or currencies in which payments shall be made to the Successful Bidder under this Contract shall be Indian Rupees (INR) only.
- e) All remittance charges will be borne by the Successful Bidder.

- g) In case of disputed items, the disputed amount shall be withheld and will be paid only after settlement of the dispute.
- h) Any penalties/ liquidated damages, as applicable, for delay and non-performance, as mentioned in this bidding document, will be deducted from the payments for the respective milestones.
- i) Withholding taxes as applicable will be deducted at source, from due payments, as per the prevalent rules and regulations.

N.B. : Payment would be released to the Bidder subject to approval and release of fund by the Government of India and Govt. of Mizoram.

32. Special Conditions of the Bid

- a) Conditions define the terms of the successful Bidder's responsibility in ensuring the performance of the hardware, software & other items supplied and installed under 'e-Classroom' Project based on the agreed Performance Indicators. The Successful Bidder must meet the service norms, as defined below, failing which the Successful Bidder is liable to be penalized.

Service Level Requirement: Virtual Classroom Uptime

Item	Time to resolve after lodging of complaint	Penalty/Damages
Items		
From the date of lodging of complaint within the next 48 hours (i.e. up to 3 rd business day)		No penalty
(A)	For every extra 48 hours (Business days)	0.5% of item value
(B)		- If the call is not resolved and the penalty amount reaches 5% on account of schools unable to access the e-classes, then NOTICE shall be issued. - The tendering authority will be free to initiate action as per tender terms and conditions for breach and if such occurrences are repetitive in nature (if two such notices are issued during a year for same item) or if tendering authority feels that Successful Bidder is not performing as per requirement, then tendering authority may forfeit the PSD.
The penalty amount will be recovered from the next payment due to the supplier. The Bank Guarantee (for proper maintenance during the warranty period) will be returned only after settling the penalty amounts, if any.		
If any item gives continuous trouble, five times in one month during the warranty period, the Bidder shall replace the system without any additional cost to the purchaser.		

Teaching End Uptim	Penalty
98% and above	No Penalty
95% to 97.9%	2% of Monthly Invoice Value of all the affected Schools
90% to 94.9%	5% of Monthly Invoice Value of all the affected Schools
Below 89.9%	10% of Monthly Invoice Value of all the affected Schools

Exclusions

- Any approved planned downtime of the solution
- Any issues which are outside the scope of the Bidder.

b) Acceptance Testing and Certification

- The primary goal of Acceptance Testing and Certification is to ensure that the Project (including all the project components as discussed in the scope of work) meets requirements, standards, specifications and performance, by ensuring that the following are associated with clear, quantifiable metrics for accountability: -
 - Infrastructure (Hardware and Network) Compliance Review
 - Performance
 - Project Documentation
- Infrastructure Compliance Review:** Third party agency shall perform the Infrastructure Compliance Review to verify the conformity of the infrastructure (both IT, non-IT) supplied by the Successful Bidder against the requirements and specifications provided in the tender and/or as proposed in the proposal submitted by the Successful Bidder. Compliance review should not absolve the Bidder from ensuring that proposed infrastructure meets the terms of requirements.
- Performance:** Performance is another key requirement for the project and the agency shall review the performance of the deployed solution against certain key parameters.
- Project Documentation:** The Agency shall review the Project documents developed by the Successful Bidder including deliverables given in the scope of work and other documents as required.

c) Exit Management

1) Preamble

- The word 'parties' include the tendering authority and the Bidder.
- This Schedule sets out the provisions which will apply on expiry or termination of the Project Implementation and Operations and Management.
- In the case of termination of the Project Implementation and/or Operation and Management due to illegality, the Parties shall agree at that time whether, and if so during what period, the provisions of this Schedule shall apply.
- The Parties shall ensure that their respective associated entities carry out their respective obligations set out in this Exit Management Schedule.

2) Handover-

- i. The Bidder will ensure all the assets in good working condition and as per the specifications of the bid document including the ones being upgraded to the School Education Department, Govt. of Mizoram/designated agency.
- ii. Goods supplied by Bidder shall be the legal properties of School or School Education Department, Govt. of Mizoram.

3) Cooperation and Provision of Information during the exit management period-

- i. The Bidder will allow access to the information reasonably required to define the current mode of operation associated with the provision of the services to enable School or School Education Department, Govt. of Mizoram to assess the existing services being delivered.
- ii. The Bidder shall provide access to copies of all information held or controlled by them which they have prepared or maintained in accordance with the Project Implementation, the Operation and Management and SOWs relating to any material aspect of the services provided by the Bidder. School or School Education Department, Govt. of Mizoram or its nominated agencies shall be entitled to copy all such information comprising of details pertaining to the services rendered and other performance data. The Bidder shall permit the School or School Education Department, Govt. of Mizoram or its nominated agencies and/or any Replacement Operator to have reasonable access to its employees and facilities as reasonably required to understand the methods of delivery of the services employed by the Bidder and to assist appropriate knowledge transfer.

4) Confidential Information, Security and Data: -The Bidder will promptly on the commencement of the exit management period supply to School or School Education Department, Govt. of Mizoram or its nominated agencies the following:

- i. ***Project related data and confidential information.*** All current and updated data as is reasonably required for purposes of the School Education Department or its nominated agencies transitioning the services to its replacement operator in a readily available format nominated by the Department or its nominated agencies; and
- ii. All other information (including but not limited to documents, records and agreements) relating to the services reasonably necessary to enable School or School Education Department, Govt. of Mizoram or its nominated agencies, or its replacement operator to carry out due diligence in order to transition the provision of the services to School or its replacement operator (as the case may be)
- iii. Before the expiry of the exit management period, the Bidder shall deliver to School or Directorate of School Education (DSE), Govt. of Mizoram all new or up-dated materials from the categories set out above and shall not retain any copies thereof, except that the Bidder shall be permitted to retain one copy of such materials for archival purposes only.

5) Transfer of certain agreements-

On request by the Tendering Authority, the Bidder shall effect such assignments, transfers, innovations, licenses and sub-licenses as Tendering authority or its nominated agencies may require in favor of tendering authority or its nominated agencies, or its Replacement Operator in relation to any equipment lease, maintenance or service provision agreement between Bidder and third party leasers, operators, or Operator, and which are related to the services and reasonably Necessary for carrying out of the replacement services by School or School Education Department, Govt. of Mizoram its nominated agencies, or its replacement Operator.

6) General Obligations of the Bidder-

- i. The Bidder shall provide all such information as may reasonably be necessary to effect as seamless during handover as practicable in the circumstances to the School or School Education Department, Govt. of Mizoram or its nominated agencies or its replacement operator and which the operator has in its possession or control at any time during the exit management period.
- ii. The Bidder shall commit adequate resources to comply with its obligations under this Exit Management Clause.

SECTION VI

BID DOCUMENT FORMATS

Format 1 Bid Cover Letter

(To be provided on the letter head of Bidder)

Date: DD/MM/YY

To,

Director of School Education
Govt. of Mizoram
Education Centre, Treasury Square
Aizawl – 796001, Mizoram

Sub: “Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”

Ref: Tender No. D.21016/15/2025-DSE(IT)/115 of 10th July 2025

Dear Sir/Madam,

Having examined the Bid Document (and the clarification / corrigendum issued thereafter, if any), the receipt of which is hereby duly acknowledged, we, the undersigned, offer to provide the professional services as required and outlined in the Bid Document for the **“Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”**

We attach hereto our responses to pre-qualification requirements and technical & commercial proposals as required by the Bid Document. We confirm that the information contained in these responses or any part thereof, including the exhibits, and other documents and instruments delivered or to be delivered to, is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead in its short-listing process.

We fully understand and agree to comply with that on verification, if any of the information provided here is found to be misleading the selection process, we are liable to be dismissed from the selection process or termination of the contract during the project, if selected to do so.

We agree for unconditional acceptance of all the terms and conditions set out in the Bid Document (& subsequent clarification/corrigendum, if any) document and also agree to abide by this tender response for a period of 180 days from the date fixed for bid opening. We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee bond in the form prescribed the Bid Document.

We agree that you are not bound to accept any tender response you may receive. We also agree that you reserve the right in absolute sense to reject all or any of the products/ services specified in the tender response.

It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

For

Authorized Signatory

Format 2

Particulars of the Bidder

(To be provided on the letterhead of Bidder)

A. Bidder Details

1	Title of Project: “Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”	
2	State whether applying as a Sole Firm or Lead Member of a Consortium:	
3	Name of Firm:	
	Legal Status (e.g. Sole Proprietorship or Limited Liability Partnership):	
	Country of Incorporation:	
	Address of the Firm:	
	Year of Incorporation:	
	Year of commencement of business:	
4	Details of Authorized Signatory of the Bidder:	
	i. Name:	
	ii. Designation:	
	iii. Company Address:	
	iv. E-mail:	
	v. Phone No.:	

B. Bidder's Experience

Experience of Bidder in implementation of Virtual Classroom Projects /E-Classrooms/Similar Projects in any States/UTs in India within the last five financial years.

S.No	Name of the Projects/similar Projects with brief description in last five Financial Years	Contract No. with Date and Value	Client Name	Project Period (Start Date & End Date)	No. of classrooms designed

Please enclose the necessary documents/work order/agreement and experience certificate/Go-Live certificates.

For _____

Authorized Signatory

Format 3

Annual Turnover

(To be provided on the letter head of Bidder)

Details of the Turn-Over of Bidder for the Last Three Years

Financial Year	Annual Turnover (In Lakhs)
2021-2022	
2022-2023	
2023-2024	

Note: *Please enclose audited financial statements for the last three Financial Years.*

For _____

Authorized Signatory

Format 4
Power of Attorney

(To be submitted on a 100 Rupee stamp paper)

Know all men by these presents, we, (name of Firm and address of the registered office) of the registered office) do hereby constitute, nominate, appoint and authorize Mr./Ms. _____ son/daughter/wife _____ of _____ and presently residing at _____ who is presently employed with/retained by us and holdig the position of _____ as our true and lawful attorney (hereinafter referred to as the “Authorized Representative”) to do in our name and on our behalf, all such acts, deeds and things as are Necessary or required in connection with or incidental to submission of our Bid for and selection as the Bidder for the **“Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”** proposed to be implemented by the **DSE, Govt. of Mizoram** including but not limited to signing and submission of all applications, Bids and other documents and writings, participating in pre-bid and other conferences and providing information/responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts and undertakings consequent to acceptance of our Bid and generally dealing with the Authority in all matters in connection with or relating to or arising out of our Bid for the said Project and/or upon award thereof to us till entering into the Agreement with the Authority.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Authorized Representative pursuant to and in exercise of the Powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Authorized Representative in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE _____ THE ABOVE NAMED HEAD OF THE INSTITUTION HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS _____ DAY OF _____ 2025 For _____.

(Signature, name, designation and address)

Witnesses:

1.

2.

Accepted

(Signature, name, designation of the Attorney)

Notarized

Format 5

Letter of Undertaking

(To be provided on the letter head of Bidder)

Date: DD/MM/YY

To

Director of School Education
Govt. of Mizoram
Education Centre, Treasury Square
Aizawl – 796001, Mizoram

Sub: “Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”

Ref: Tender No. D.21016/15/2025-DSE(IT)/115 of 10th July 2025

Dear Sir/Madam,

I have carefully gone through the Terms & Conditions contained in the RFP Document. I hereby declare that my company _____ has <number to be defined by Bidder> full-time resource on company payroll as on tender publish date.

For _____

Authorized Signatory

Format 6

Technical Proposal

Bidders must submit a very structured and organized technical bid, which will be analyzed for different compliances with regards to the requirements of the project. The document submitted must be searchable and well indexed without any handwritten material. All the documents must be submitted in one file only.

Bidder is expected to divide its Bid in following sections / documents: Bidder's Competence to execute the project. This document should bring about the capability of the firm to execute this Project. Some of the required documents are as follows: -

- i. Financial Capability of the Bidder in required formats and supporting documents
- ii. Experience in Similar Projects Technical Proposal

The technical proposal should specify the following: -

- i. Overall solution architecture including solution design
- ii. Implementation Strategy & Project Management Methodology
- iii. SLA Management, Maintenance and Support for proposed solutions

Bill of Material: This document should give details of all the proposed IT and Non-IT components, without specifying the costs. Please note that the bid shall get disqualified if Bidder gives price details in the technical document.

- i. Approach and Methodology for Management of SLA Requirements specified in the bid.
Bidder is required to clearly articulate how the SLA requirements would be adhered to.
- ii. Detailed Project Plan with timelines, resource allocation, milestones, etc. for supply, installation and commissioning of the various project components.

Format 7
Technical Bid Checklist
(To be provided on the letter head of Bidder)

A. Check List for Enclosures

S. No.	Documents Submitted	Remarks

B. Eligibility Criteria

S. No.	Documents to be Submitted	Submitted Yes/No	Documentary Proof (Page. Nos.)

Format 8
Commercial Bid Declaration
(To be provided on the letter head of Bidder)

Date: DD/MM/YY

To

Director of School Education
Govt. of Mizoram
Education Centre, Treasury Square
Aizawl – 796001, Mizoram

Sub: “Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”

Ref.: Tender No. D.21016/15/2025-DSE(IT)/115 of 10th July 2025

Dear Sir/Madam,

We, the undersigned Bidders, have read and examined in detail all the bidding documents in respect of the tender in reference do hereby propose to provide services as specified in the Bid Document referred to above.

Price and Validity

All the prices mentioned in our Tender are in accordance with the terms specified in the Tender documents. All the prices and other terms and conditions of this Tender are valid for entire contract duration.

We hereby confirm that our Tender prices include all taxes.

We have studied the clause relating to Indian Income Tax and hereby declare that if any income tax, surcharge on Income Tax, Professional and any other Corporate Tax is allocated under the law, we shall pay the same

Deviations

We declare that all the services shall be performed strictly in accordance with the RFP documents and there are no deviations except for those mentioned in Pre-Qualification Envelope, irrespective of whatever has been stated to the contrary anywhere else in our bid.

Further we agree that additional conditions, if any, found in our bid documents, other than those stated in the deviation schedule in Pre-Qualification Envelope, shall not be given effect to.

Qualifying Data

We confirm having submitted the information as required by you in your Instruction to Bidders. In case you require any other further information/documentary proof in this regard before evaluation of our Tender, we agree to furnish the same in time to your satisfaction.

Bid Price

We declare that our Bid Price is for the entire scope of the work as specified in the Bid Document. The bid price at which the contract is awarded shall hold good for the entire tenure of the contract. These prices are indicated in the subsequent sub-sections of this Section.

Contract Performance Guarantee Bond

We hereby declare that if the contract is awarded to us, we shall submit the Contract Performance Bank Guarantee in the form prescribed in the Bid Document.

We hereby declare that our Tender is made in good faith, without collusion or fraud and the information contained in the Tender is true and correct to the best of our knowledge and belief.

We understand that our Tender is binding on us and that you are not bound to accept the Tender you receive. We confirm that no technical deviations are attached here with this commercial offer.

For _____

Authorized Signatory

Format 9

SELF DECLARATION – NOT BLACKLISTED

Date: DD/MM/YY

To

Director of School Education
Govt. of Mizoram
Education Centre, Treasury Square
Aizawl – 796001, Mizoram

Sub: “Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram”

Ref.: Tender No.D.21016/15/2025-DSE(IT)/115 of 10th July 2025

Dear Sir/Madam,

I/We, the undersigned, herewith declare that my/our company_____ has not been debarred / black-listed by Central/any State Government Department in India as on the date of submission of the bid.

For _____

Authorized Signatory

Format 10

Technical Specifications Compliance

School Education Department, Govt. of Mizoram

Format 11
Bid Security (EMD): BG format

To

Director of School Education
Govt. of Mizoram
Education Centre, Treasury Square
Aizawl – 796001, Mizoram

Whereas..... (herein after called "the Bidder") has submitted its bid Dated (Date) for the execution of..... (herein after called "the Bid") KNOW ALL MEN by these presents that WE of having our registered office at..... (hereinafter called the "Bank") are bound unto the _____ (hereinafter called "The _____") in the sum of **Rs 47,46,952** for which payment well and truly to be made to the said Director of School Education. Govt. of Mizoram itself, its successors and assignees by these presents.

The conditions of this obligation are: -

1. If the Bidder withdraws its bid during the period of bid validity or
2. Having been notified of the acceptance of its bid by the Director of School Education, Govt. of Mizoram during the period of bid validity, if the Bidder: -
 - a. fails or refuses to execute the contract form if required; or
 - b. fails or refuses to furnish the performance security, in accordance with the bid requirement.

We undertake to pay the Director of School Education, Govt. of Mizoram up to the above amount upon receipt of its first written demand, without the School Education Department, Govt. of Mizoram having to substantiate its demand, provided that in its demand the Department will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to the period mentioned in RFP and any demand in respect thereof should reach the Bank not later than the above date.

Place:

Date:

Signature of the Bank and seal:

Format 12

Manufacturer's Authorization Form (To be provided on the letter head of OEM)

Date: DD/MM/YY

To,

Director of School Education
Govt. of Mizoram
Education Centre, Treasury Square
Aizawl – 796001, Mizoram

Sub: "Selection of Implementation Partner for Educational Infrastructure Related to IT Projects in 220 Schools Across Mizoram"

Ref: Tender No. D.21016/15/2025-DSE(IT)/115 of 10th July 2025

Dear Sir/Madam,

We <name and address of the OEM> who are established and reputed original equipment manufacturer (OEM)/Software Product Proprietary Owner having factories/development center at <addresses> do hereby authorize <M/s _____> who is our *<Distributor/ Channel Partner/ Retailer/ Others <please specify>* to bid, negotiate and conclude the contract with you against the aforementioned tender reference for the following Hardware/Software manufactured by us: -
{OEM will mention the details of all the proposed product(s) with their make/model/version.}

We undertake to provide OEM Warranty/Software product support for the offered Software/Hardware, as mentioned above, for *<please specify as per RFP requirements>* years.

We hereby confirm that the Hardware/Software offered is not likely to be declared as End-of-Service/ Support within the next 3 years from the date of bid submission.

Yours faithfully,

For and on behalf of M/s (Authorized Signatory)

Name, Designation & Contact No:

Address: _____