

REQUEST FOR PROPOSAL
FOR
SETTING UP OF INTERACTIVE AND VISUAL TRAINING LABS UNDER FOUNDATIONAL
LITERACY AND NUMERACY PROGRAM
UNDER
SAMAGRA SHIKSHA MEGHALAYA
GOVT OF MEGHALAYA

TENDER REF NO –EDU/SEMAM-SHG/0431sa/2024/NF

Dt. Shillong, the 15th February, 2024

IMPORTANT DATES AND INFORMATION

Critical Dates	Date	Time (Hrs:Mins)
Date Of Publication of Bid	15 th February'2024	16:00
Document Availability -On-line	15 th February'2024	16:00
Last date of Submission of Pre Bid query	17 th February'2024	14:30
Bid Submission Start Date	15 th February'2024	10:00
Bid Submission End Date	29 th February'2024	13:00
Bid Opening Date	29 th February'2024	17:00
Place of Opening of Bids	Office of The State Project Director, Samagra Shiksha Meghalaya, Shillong	
Address For Communication	Office of The State Project Director, Samagra Shiksha Meghalaya, Shillong	
Bid Document availability on line:	https://ssa.megeducation.gov.in/	
Place for submission of Pre-bid Query	rmsa.spomeg@yahoo.com	

DISCLAIMER

1. This Request for Proposal document (“RFP”) does not purport to contain all the information that each Bidder may require and accordingly is not intended to form the basis of any investment decision or any other decision to participate in the bidding process for the selection of the Successful Bidder for this Project.
2. While the RFP has been prepared in good faith, no representation or warranty, express or implied, is or will be made, and no responsibility or liability will be accepted by the Samagra Shiksha Abhiyan, Meghalaya, its employees or advisors or agents as to or in relation to the accuracy or completeness of the RFP or any other oral or written information made available to any Bidder or its advisors at any time and any liability thereof is hereby expressly disclaimed.
3. This RFP includes certain statements, estimates and projections with respect to the anticipated future performance of the Project. Such statements, estimates and projections reflect various assumptions concerning anticipated results, which assumptions may or may not prove to be correct. Neither the Samagra Shiksha, Meghalaya nor its employees or bidders make any representation or warranty with respect to the accuracy of such statements, estimates and projections and actual performance of neither the Project nor any opportunity, which may be materially different from that set forth in such statements, estimates and projections.
4. No extension of time will be granted under any circumstances to any Bidder for submission of its bid on the grounds that the Bidder did not obtain a complete set of the RFP.
5. The Samagra Shiksha, Meghalaya is not bound to accept any or all the Proposals. The Samagra Shiksha, Meghalaya reserves the right to reject any or all the Proposals without assigning any reasons. No Bidder shall have any cause for action or claim against the Samagra Shiksha, Meghalaya or its officers, employees, successors or assignees for rejection of his bid.
6. Failure to provide information that is essential to evaluate the Bidder’s qualifications or to provide timely clarification or substantiation of the information supplied, may result in disqualification of the Bidder.

1) Background:

NIPUN BHARAT MISSION – INTERACTIVE & VISUAL FOUNDATIONAL LITERACY & NUMERACY:

OBJECTIVE:

The motive of Interactive panel in NIPUN BHARAT Classroom Solution is to bring Basic Learning Innovative, Impact full & utilize the Teaching & Learning Skills of the Teachers as it enhances the Teachers of Learning Tools while delivering the Session.

Touch Tools will play a vital role in revolutionizing pedagogical method. With advanced Android Version it will offer more apps features & learning with giving learning basic with fun.

With Multiple Touch Features Students can learn, draw, annotate in the Panel along with the Teachers which makes teaching & learning interactive and convenient.

This solution is perfect for classrooms to create a holistic teaching & learning environment. Inbuilt Board software in the interactive displays makes any session more engaging & flawless.

Students will get to keep their traditional learning methods and they will also get to learn via modern and updated methods. Digital tools make students more self-motivated, pre-active and more accountable

With the built whiteboard software for teaching/ training using Interactive display with features like AI Pen, Shape Pen, Handwriting Recognition, Sticky Notes, E-mail and others like (Pen, thickness of pen, colors of pen, Pixels eraser and Region eraser, Shapes (Circle, Triangle, Rectangle, arrows), Magnifier, Background of White board (multiple colors also use picture, shape) will keeps students can learn with strong Foundation & Will Help Students to attend Classes with Fun Filled Activities in this Interactive Classrooms.

Globus Board is an interactive application on the Android platform with the help of various tools in it we can create a collaborating learning-teaching experience.

For writing, annotation, learning, the Interactive Panel make the classes enjoyable & productive which will help both the Teachers & Students to get the best result & engagement.

Professional grade resolution images, picture, videos along with audio quality make a classroom experience like never before & lively.

Visualizer with TLM will make the classroom sessions more productive with the outcome of educations as while teaching any object shown in books, papers, magazine or mobiles can directly be scanned & shown in real time. The images can be zoom, annotated, drag to the Panel Display through Document Scanner. Any page, pictures from mobile, books can be shown directly in the Panel which helps to share from any person directly to the Panel which Improve during a classroom the session.

Students can be benefited for having any images of his liked from a school books to zoom & annotate when it will come more real in big screen.

- **Early Identification and Remediation:** Identify students who are lagging behind in foundational skills early in their academic journey and provide targeted interventions to bridge the gaps with the help visual images & sound.
- **Teacher Training:** The foundation of the students depends highly on the teachers. Therefore, Visual TLM will equip & train teachers with the necessary skills to effectively teach foundational literacy and numeracy. This may include specialized training programs and resources to enhance teaching methodologies.
- **Curriculum Development:** Develop and implement a curriculum that focuses on building strong foundational skills, incorporating best practices in pedagogy, and using age-appropriate teaching materials.
- **Assessment and Monitoring:** Implement regular assessments to gauge students' progress in foundational literacy and numeracy. Monitoring and evaluation mechanisms help identify areas that require further attention and improvement.
- **Community Involvement:** Engage parents and communities in the educational process, emphasizing the importance of foundational skills and encouraging support for children's learning at home.
- **Technological Integration:** Explore the integration of technology in education to enhance foundational literacy and numeracy skills. This may include the use of educational apps, digital resources, and interactive learning tools.

In pursuance of this goal, the **STATE PROJECT OFFICE, SAMAGRA, SEMAM**, invites proposals from interested parties to participate in the present project. Such interested parties (“Bidders”) are required to submit detailed proposals as per the tender document.

After the process of selection, as detailed in the tender document, the selected agency (“Successful Bidder”) will enter into an agreement (“Implementation Agreement”) with the **STATE PROJECT OFFICE, SAMAGRA, SEMAM**, and Government of Meghalaya and perform its obligations as stipulated therein in respect of the project.

1. **Scope of Work:**

The successful bidder is expected to deliver the following –

- Supply & Set-up of Interactive & Visual Technologically advanced Training and experience labs in 12 Districts of Meghalaya (List of mandatory items mentioned in Annexure I)
- Conduct trainings for all teachers of the pre-primary section of the schools under the program to make them learn about the benefits of Interactive & Visual TLM

2. **Proposal Evaluation**

A three-stage procedure will be adopted in evaluating the proposal.

- In the first stage, eligibility of the bidder will be ascertained on the basis of document provided as per qualification criteria. Bidder must fulfill the eligibility criteria.

- In the second stage, a technical evaluation which will be carried out prior to opening the financial proposal.
- Evaluators of Technical Proposal shall have no access to the Financial Proposals until the technical evaluation is concluded.
- Only those bidders who qualify in the Technical requirements of the bid will be eligible for Financial Bid opening.

3. Eligibility criteria for bidders

To be considered eligible for participating in the bid process, the Bidder must meet the following minimum requirements:

- a. Copies of up-to-date Schedule Tribe / Caste certificate / PAN Card/ GST registration / Income tax acknowledgement / Professional Tax and up to date Trading license from the district council mentioning “IT Products” under services rendered (KHADC/JHADC/GHADC) of Meghalaya to be furnished.
- b. The bidder must be a legal entity in form of a Company/Proprietorship firm/Partnership firm/Trust or PSU (registered/incorporated) in India.
- c. The Bidder should have ISO 20000 & 9001.
- d. Average Annual turnover of the bidder in preceding three years (i.e. 2020-21, 2021-22 & 2022-23) as per the audited financial account must not be less than Rs.10.00 Cr. Bidder Should Submit a certificate issued by Chartered Accountant with valid UDIN.
- e. Bidders must have successfully completed a single project/tender of Rs.2.00 Cr or more with a Govt. Entity, related to supply of IT items within the last 3(three) years. Supply order copy along with completion proof to be submitted.
- f. Bidder should not be violated/Blacklisted by any Government organization and should submit an affidavit on stamp paper worth Rs.100/- (Rupees One hundred) along with technical bid.
- g. The Bidder if not a Manufacturer should submit a tender specific Authorization letter from their respective OEM authorizing the bidder to participate in the bid mentioning the bid details and other detail in the certificate of the OEM.
- h. The bidder should have positive Net worth of Rs.2.00 Cr as on 31 March 2023.
- i. OEM should have average annual turnover of Rs. 100 Cr or more in last three financial years i.e. FY2020-21, FY2021-22 and FY2022-23. CA certificate having valid UDIN must be submitted.
- j. Bidder will have to provide detailed technical demonstration of all the quoted products on the date of opening of the tender. If the bidder is unable to provide the same, his bid will be rejected.
- k. No deviations in the specifications of any of the above items will be accepted. The Bidder should clearly declare in the BOQ Compliance that all items meet all the specifications as required. Detailed tabulated deviation specifications should be given clearly specifying if each specification is met rather than blanket statement like – “all specifications met”

- l.** OEM should have direct manufacturing facility in India in his own name with ISO 14001, ISO 9001, ISO 45000 from appropriate authority. Copies of the valid licenses/certificates & BIS are to be submitted (whichever is applicable as mentioned in technical specs).
- m.** Technical Catalogues as per items mentioned are to be attached with the technical bid and same should be available on OEMs' website. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, or Non-Compliance shall result in rejection of Bid.
- n.** The Bidder shall quote composite price inclusive of Supply, Installation, Testing, Commissioning, Training & all Taxes.
- o.** Bidder should quote for all components/ products as asked in the tender. Non-compliance shall result in the rejection of the tender.
- p.** Local suppliers under the Make in India initiative are eligible to apply as per Public Procurement (Preference to Make in India) order by the Department for Promotion of Industry and Internal Trade, Government of India.
- q.** This bid is reserved for Make in India Products Only.

4. Schedule of delivery:

The project timelines are defined as per the below –

- Set up of the interactive & visual TLM centers in 12 Districts – within 75 days from the date of award of contract
- Training of School teachers – within 60 days of completion of setup of training centers

5. Documentations:

- i. To enable the bidder to prepare a proposal, please find and use the attached Documents listed in subsequent sections.
- ii. The proposal submitted by the Bidder must be in English language.
- iii. At any time before the submission of proposals, the Samagra Shiksha, Meghalaya may, for any reason, at its own initiative, modify the documents by amendment. The amendment will be notified in writing and upload in the portal. The Samagra Shiksha Abhiyan, Meghalaya may at its discretion extend the deadline for the submission of proposals.

The State Project Director, Samagra, SEMAM reserves the right to annul the entire or part of the bidding process or to reject any or all proposals if:

- i. at any time during the bidding process, any material misrepresentation is made or discovered.
- ii. the bidder does not respond to queries or requests for clarifications or requests for additional information; or
- iii. the bidder or their representatives or any person on their behalf attempts to influence the process of tender in any manner whatsoever.

6. Financial Proposal:

- a. In preparing the Financial Proposal, bidders are expected to consider the requirements and conditions outlined in the RFP document. The Financial Proposal should follow uploaded in the portal. The Financial Proposal should clearly include, the GST, insurances, duties, fees, levies, and other charges imposed under the applicable law.
- b. All payments will be paid in Indian National Rupee (INR) and the Samagra Shiksha, Meghalaya will make payment after deducting taxes as applicable as per law in India.
- c. Conditional offer or the proposal does not upload as properly shall be considered non-responsive and is liable to be rejected.
- d. The unreasonableness of an evaluated bid price could be described as unreasonably high or unreasonably low. If the price reasonableness analysis proves that the price of the lowest evaluated bid is unreasonable, the bid is rejected.

7. Tender Fees and Earnest Money Deposit:

RFP are to be uploaded on the prescribed tender form along with.

- i. Bid security or Earnest Money Deposit (EMD) for an amount of Rs. **22,00,000/- (Rupees Twenty Two Lakhs only)** valid for a period of 90 days from the date of submission, in the form of Demand Draft in favour of **“THE STATE PROJECT DIRECTOR, SEMAM, MEGHALAYA” payable at Shillong.**
- ii. The tender document should be collected from the SEMAM office at least 3 days before the last date of submission of bid document, on payment of Tender fee of **Rs. 10,000 (Rupees Ten Thousand Only) vide demand draft** in favor of **“THE STATE PROJECT DIRECTOR, SEMAM, MEGHALAYA” payable at Shillong**
- iii. There is no exemption for EMD and Tender Fees for any category of bidders.

8. Validity For Bids:

Bids shall remain valid for 120 days from the date of opening of financial bid.

9. Clarification of Bids:

- i. During the final Bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

10. Validity of the contract

- i. The Contract shall be normally valid for a period of 36 months from the date of acceptance of the Work Order, as evidenced by the submission of the Performance Security and the

Service Level Agreement or up to the date of expiry of the notice period, in the instance of a termination notice issued by the State.

- ii. The rates quoted by the bidder will be valid for a period of contract.

11. Amendments to the RFP

- i. At any time prior to the deadline for submission of bids the Purchaser may, for any reason, whether at its own initiative or in response to a clarification requested by prospective Bidder, modify the Bidding Documents by amendment. If any modification is given effect the same shall be placed through a corrigendum. All amendment in the bidding document will be uploaded in the corrigendum and will be binding upon the prospective bidder. All the prospective bidders are requested to keep themselves informed regularly regarding the amendment if any, in the website.
- ii. Any amendment in the bidding document, the same will be uploaded in the website and will be binding of the prospective bidder.
- iii. In order to allow prospective Bidders reasonable time in which to take the amendment in to accounting preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of Bids.
- iv. Bidder can modify their bid prior to deadline of submission of bid. Bid cannot be modified after the deadline of submission of bid.

12. Purchaser's right to accept any bid and to reject any or all bids

The Purchaser reserves the right to accept or reject any bid or to annul the bidding process and reject all bids (whether first or second stage) at any time prior to Contract award, without there by incurring any liability to the Bidders. No bidder shall have any cause of action or claim against Samagra Shiksha Abhiyan or its officers, employees, successors or assignees for rejection of their BOQ.

13. Purchaser's Right to Vary Quantities at Time of Award:

The Purchaser reserves the right at the time of Contract award to increase or decrease, any of the following:

14. Performance Security

Within 7 (seven) days of the receipt notification of award from the Purchaser, the successful bidder shall have to deposit of 5% value of the total contract as performance security deposit valid for a period of 60 days beyond the date of completion of contractual obligation of the bidder including warranty obligations, maintenance and defect liability period whichever is the latest. The performance Security shall be invoked by Purchaser, in the event of:-

- i. If the successful bidder fails to comply with the requirement bid Clause shall institute grounds for the annulment of the award and forfeiture of the performance security, in

which event the Purchaser may make the award to the next lowest evaluated bidder or call for new bids.

- ii. If the successful bidder fails to perform the responsibilities and obligations as set-out in the bid to the complete satisfaction of Purchaser,
- iii. If the successful bidder misrepresents facts/information submitted to Purchaser at any stage of bidding process.

15. Award of Contract

The Contract will be awarded within 15 days after successful negotiations with the Bidder and the Bidder is expected to commence the assignment within 15 days of signing of the Contract.

16. Payment

15.1 Contract Price:

- i. Contract Price shall mean the price arrived at the successful completion of the bid with the successful bidder(s) and/or any enhancements or reductions subsequently appended to the Contract. The Contract Price shall be a firm lump-sum not subject to any alteration.
- ii. The Supplier shall be deemed to have satisfied itself as to the correctness and sufficiency of the Contract Price, which shall, except as otherwise provided for in the Contract, cover all its obligations under the Contract.

15.2 Terms of Payment:

- i. The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, Delivered, Installed Report.
- ii. All payments shall be made in Indian Rupees.
- iii. Payment shall be released as per report of supply installation of the activity.
- iv. The Goods delivered, and the Services performed with delivery challans duly acknowledge by the concerned Schools.

15.3 Taxes & Duties

- i. Prices are Inclusive all Taxes and Levies
- ii. All payments will be subject to tax deduction at source as applicable at the prevailing tax rates and procurement rules. The decision of Purchaser in this regard will be final and binding and no disputes in this regard will be entertained.

15.4 Securities

- i. The Supplier shall provide the securities specified below in favor of the Purchaser at the times and in the amount, manner, and form specified below.

- ii. The Supplier shall submit Performance Security as per the LOA/LOI within the specific period of time as specified in the LOA/LOI
- iii. The security shall automatically become null and void once all the obligations of the Supplier under the Contract have been fulfilled, including, but not limited to, any obligations during the Warranty Period and any extensions to the period. The security shall be returned to the Supplier after its expiration.

17. Clarification of Bids:

- i. During the final Bid evaluation, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered, or permitted.

18. Penalties

The Contractor shall be liable to be penalized for deficiency of services as defined in the Work Order. The following failures/deficiencies in service will invite penalties as prescribed below:

18. Arbitration and Exit Options

- i. The State reserves the right to exit the agreement, giving the Contractor a three months' notice for any reasons, whatsoever. However, the State shall bring on record the reasonableness and inevitability of the situation leading to the decision to cancel the Contract. Dues if any at the time of closure of the agreement will be decided on a pro-rata basis.
- ii. The Contractor or any member of the Consortium servicing the Contract, is not permitted to exit the Contract individually or collectively under normal circumstances. If any member or members of the Consortium exit(s) the Contract, adversely affecting or threatening to affect the continuation of the project in any manner whatsoever, the act shall be considered a breach of contract and the State shall proceed to cancel the contract and take appropriate measures to implement the project through alternate means, which can include inviting the next lowest bidder or call for fresh bids to undertake the remaining part of the project.
- iii. Any costs accruing due to this cancellation shall be borne by the Contractor. The Contractor would also be liable for penalties including the cost of establishing an alternate mechanism to implement the project and the cost of running the project in the interim.
- iv. Contractors whose contracts have been cancelled for any reasons whatsoever, will not be eligible for participation in future bids under the ICT scheme. The disqualification will be equally applicable to all members, in the case of a consortium.
- v. The Contractor will ensure the status of the system and its smooth transfer to any other contractor identified by the State. This condition will be binding and the State will be free to apply penalties as deemed fit in case of any violation.

- vi. The authority for redressal of any grievances will be State Project Director, SEMAM, Meghalaya
- vii. The place of Jurisdiction in any case shall be a court of law situated in Shillong only.

19. Bribe

The Contractor shall not under any circumstances offer or give or agree to give to any person connected to the Contract any gift or consideration of any kind and any inducement for reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other agreement or for showing or forbearing to show any favour or disfavor to any person in relation to this or any other agreement. Any breach of this condition by the Contractor or by any one employed by him / her or acting on his/her behalf whether with or without his/her knowledge shall entitle the State to forfeit the Contractor's security deposit, terminate the agreement forthwith and to deduct from the Contractor's bill the amount of any loss or damage resulting from the cancellation thereof without prejudice to any other rights available under the terms of the agreement or under law.

20. Force Majeure

"Force Majeure" shall mean any event beyond the reasonable control of the Purchaser or of the Supplier, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected and shall include, without limitation, the following:

- i. War, hostilities, or war like operations (whether a state of war be declared or not), invasion, act of foreign enemy, and civil war;
- ii. Rebellion, revolution, insurrection, mutiny, usurpation of civil or military government, conspiracy, riot, civil commotion, and terrorist acts;
- iii. Confiscation, nationalization, mobilization, commandeering or requisition by or under the order of any government or de jure or de facto authority or ruler, or any other act or failure to act of any local state or national government authority;
- iv. Strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public transportation and communication, industrial dispute, shipwreck, shortage or restriction of power supply, epidemics, quarantine, and plague;
- v. Earthquake, landslide, volcanic activity, fire, flood or inundation, tidal wave, typhoon or cyclone, hurricane, storm, lightning, or other inclement weather condition, nuclear and pressure waves, or other natural or physical disaster

21. Inspections and Tests

- i. The successful bidder during supply will inform the State Project Office, about Lot Number and Batch Number of the items delivered to the schools.

- ii. The Purchaser or its representative shall have the right to inspect the materials to ascertain whether the technical specifications are adhered to by the bidder.
- iii. If any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the bidder shall replace the rejected Goods.
- iv. On successful completion of inspection, a certificate will be signed by the representative of the purchaser and the supplier to the extent of such inspection and test.
- v. Receipt of deliverable etc. and after the purchaser is satisfied with the working of the system, the acceptance certificate signed by the bidder and the representative of the purchaser or school's authority will be issued. The date on which such certificate shall be deemed to be the date of successful commissioning of the goods.

22. Warranty Services

The IT equipment supplied must be guaranteed by the vendor or OEM Company as per technical compliance clause, wherever applicable as first party guarantee for proper operations, performance and correction of any malfunction. The warranty period will commence from the date of supplied of the equipment to the end-user & the Products Supplied will be **with 3 Years Onsite Warranty.**

The warranty must include, if not mentioned here in otherwise, but not limited to the following:

- i. Free-of-cost all services required during the entire warranty period that should result in complete restoration of the equipment to its fully functional status.
- ii. Provide for free-of cost replacement of defective components/parts of the equipment within 1 year warranty period.
- iii. Provide for services of repair & maintenance for the warranty period.
- iv. Provide for repetitive replacement of defective parts subject to reduction of the warranty period of the concerned new part/component to the extent of the warranty life consumed by the old replaced part, counted from the date of start of warranty period.

Annexure I: List of Items for Set up of Visual & Interactive TLM Training Center at 12 Locations in Meghalaya

1. Upgradation and Electrical works of approx. 2000 sq.ft. hall
2. Items for each Training lab as per items mentioned below:

Sr. No.	List of Items for Each location	Qty
1	75-Inch Ultra HD Interactive Flat Panel Display with inbuilt Android 11 OS, Google Play Store, 8 GB RAM & 64 GB Storage, with Two inbuilt speakers of 25 watt each along with subwoofer, multiple connectivity options like , 3 Nos of HDMI In, VGA in, Audio In and out, 4 no's of USB 3.0, RJ45, Inbuilt Dual Band wi-fi (2.4 & 5 Ghz.) with Hotspot and Bluetooth 5.0, Interactive teaching Software, 4 mm tempered Glass with Anti-glare coating and more with Device management Software & Learning Management System	1
2	Digital Podium including 21 inch touch screen, Multimedia controller, Mini PC-i5, 8GB RAM, 256 GB SSD with windows 10 and wireless keyboard and mouse, Along with microphone system including Gooseneck microphone with phantom power, set of wireless hand held and lapel microphone with receiver, Audio system including two wall mount speakers and audio amplifier	1
3	Ultra HD 4K 30fps USB Web Camera with 120 degree FoV & Dual Inbuilt Microphone, Auto framing with 5x zoom & Handheld remote control with 3 Presets.	1
	All in One PC – i5, 8 GB RAM,128 GB SSD, 21 inch Display, windows 10 with keyboard and mouse for the Teacher	1
4	Table for teacher	1
5	High Back Revolving chair for teacher	1
6	Student chair with Cushion seat and Flip writing board	50
7	3-KVA Online UPS with 30 minutes Backup	1
8	Multimedia Printer	1
9	Wireless Internet Router	1
10	Quick assessment System with one trainer clicker and 50 trainees clicker	1
11	Other Required Cables and accessories with the above items	1

Detailed Specification of the items enclosed:

Serial No 1

Technical Specifications for 75" Interactive Display	
Feature	Descriptions
Interactive display	
Screen size	75" or higher
Resolution	UHD 3840 × 2160 pixels or Higher
Brightness (typical)	350 nits or Higher
Contrast ratio (typical)	1100:1 or Higher
Response time	2 ms or Better
Light life (typical)	50,000 hrs or Higher
Smart Eye protection	Interactive display should have smart eye protection.
Auto Brightness Control	Interactive display should have inbuilt Light sensor to control brightness automatically based on ambient light.
Glass	
Hardness	4 mm tempered AG Glass or Better
Anti-glare coating	Interactive display should have Anti-glare coating
Touch screen	
Touch technology	Infrared touch
Touch points	20 touch points or Higher
Touch response time	< 4 ms or Better
System	
CPU	Quad core 1.9 Ghz or Better
Memory	8GB DDR3/DDR4 or Higher
Storage	64GB or Higher and expandable up to 512 GB
OS	Android 11.0 or Better
Input/ Output ports	
Input Ports (minimum)	3 × HDMI, 1x DP,1x VGA, 1x YBPR In, 1 x AV (3.5mm), 1x PC Audio In, 1 x TF card (Micro SD), 1 x Slot-in PC (OPS) or Higher
Output Ports (minimum)	1 × HDMI, 1 x AV (3.5mm), 1x Earphone, 1x SPDIF or Higher
USB Ports (minimum)	5 × USB 3.0 Type A, 2 × USB Type C, 2 × USB Type B (touch) or Higher
Communication Ports (minimum)	1x RS232 In, 2 x RJ45 10/100/1000 Gigabit ethernet port (In & Out) or Better

Built-in peripherals	
Speaker	Stereo Sound with in-built 25 Watt x 2 speakers and subwoofer of 25 watt (OEM of Interactive display should provide external speakers of the same make, if required, if the wattage of inbuilt speakers is less then the required wattage)
Magnetic pen holder	Should have inbuilt magnetic pen holder with up to two pens
Tutor friendly experience	Should have control buttons on Interactive display like Volume UP/Down, Home, Back, Menu, Touch on/off & Power Buttons for ease in teaching.
Quiz	Should have in built tool to allow participants to submit answers from their Smart Phones (Answering/Voting/Messaging)
Smart Multimedia Port	Should have Built in Type-c multimedia port on front side to deliver Video, Audio, Touch control, Internet Sharing and Fast charging of up to 65 watt using a single USB type C cable
SD Card Support	Should have provision to connect SD card supports up to 512 GB of Storage
Built in Wi-fi	Should have inbuilt Dual band Wi-fi (2.4 & 5Ghz)
Built-in Hotspot	Should have inbuilt Hotspot Dual band (2.4 & 5Ghz) with internet sharing across the connected devices
Stylus	Should have minimum 2 Nos of Stylus
Remote control	Should have remote control to operate the Interactive display

Serial No 2 :

Technical Specification of Digital Podium		
1	Type/Mounting	Free Standing
2	Structure	The Podium shall be wheel mounted capable of moving in all directions with a facility of lock them while the Electronic podium is in use. The enclosure shall be made of Polymer Powder Coated Steel Body with wooden top panels, designed to work in suitable environmental conditions. The wooden top shall have lock and key and should have a sliding cover for opening/closing easily. The Podium should have housing and connectivity for Visual Presenter while the visualizer is in use and not in use. At the time of using the Visualizer drawer can be opened and Visualizer can be used. The construction of the podium should be such that, while the podium is locked and not is use, there should not be any port exposed/ visible on the outer body for breakage/mishandling.
3	Display Panel	Built-in highly sensitive Interactive Panel with adjustable Manual tilt & a mechanism to make the Panel stable so that it does not shake while writing with following minimum features -
(a)	Screen Type	LED
(b)	Size	53.0 cm (21 inches) or higher
(c)	Resolution	1920 x 1080 or higher
(d)	Aspect ratio	16:9/16:10
(e)	Computer interface	One USB, One VGA/DVI/HDMI Port
(f)	Interactive Resolution	4000 Lpi (lines per inch)
(g)	Response Time	5ms
(h)	Viewing Angles	170(H) ; 160(V)
(i)	Touch	LED
(j)	Reading accuracy	53.0 cm (21 inches) or higher
(k)	Tracking speed	1920 x 1080 or higher
(l)	Pen Pressure sensitivity	16:9/16:10
(m)	Speakers	Display panel should have inbuilt speakers
4. System Details		
(a)	Processor	Intel Core i5 (10th Gen or better processor)
(b)	Small Form Factor	Computer should be of 2 liters Volume or less
(c)	In-Built Wi-Fi /Wireless LAN Card	Should have a inbuilt Wi-Fi / Wireless LAN Card

(d)	RAM	8 GB
(e)	Storage	256 GB SSD or better
(f)	Ports (Min.)	HDMI x 1, USB ports x 4, LAN Port x 1
(g)	Keyboard & Mouse	Wireless
(h)	Operating System	Windows 10
(i)	Certifications	BIS Certifications Required for Mini PC. BIS of Mini PC should be registered in name of Podium's OEM
5. Controller		
(a)	Ports on front Panel of Controller (Minimum)	VGA, HDMI, USB3.0x2, Audio IN or more
(b)	Buttons on front Panel of Controller (Minimum)	Push buttons to control Volume Up& Down, Volume Mute and to switch sources of HDMI Visual Presenter, VGA Visual Presenter, HDMI Laptop, PC HDMI, VGA Laptop, VGA PC and Controller Power On/Off, Display Power On and Power Off or more
(c)	Ports on Rear Panel of Controller (Minimum)	USB 3.0 X 2,VGA Input x 2, VGA Output x 2, RCA Audio IN X 1,RCA Audio Output x 2,HDMI Inputx2,HDMI Outputx2 , Programming Port (Phoenix connector) or more
(d)	Built in HDMI Repeater	Yes (HDMI Output port should support 15mtr HDMI cable)
(e)	Controller Resolution Output	4K (3840 x 2160) Native
(f)	Power	5 V DC (Suitable Adaptor should be supplied with controller)
6. Built in devices		
(a)	Gooseneck Microphone	Gooseneck Microphone with XLR output. It should be Phantom powered so that there is no requirement of batteries thereby eliminating consumable cost. The gooseneck length should be at least 21.5 inch with ON/OFF switch and with LED light indicating ON/OFF status. The gooseneck microphone shall be permanently polarized condenser, highly directional featuring hyper cardioid /lobar directivity.
(b)	Built in Amplifier Power	Two speakers of Minimum 50 W each shall be a part of standard supply.
		Speaker Type : 2 Way drivers
		Effective frequency range : 80 Hz – 20 kHz
		Rated power : 50 watts
		Sensitivity : 90 dB or Better
		Impedance : 200Ω ohm
		IP Rated : IP66 or better
		LF transducer : 5-inch woofer or better HF transducer : 1.5-inch tweeter or better
(c)	Speakers	Two speakers of Minimum 50 W each shall be a part of standard supply.
		Speaker Type : 2 Way drivers

		Effective frequency range : 80 Hz – 20 kHz
		Rated power : 50 watts
		Sensitivity : 90 dB or Better
		Impedance : 200Ω ohm
		IP Rated : IP66 or better
		LF transducer : 5-inch woofer or better
		HF transducer : 1.5-inch tweeter or better
7	Sliding Trays	Provision for keeping laptop and Keyboard & Mouse
8	Power Supply	180 -240V, 50Hz, AC Supply
9	Security	Physical Key for secure access to system.
10	Fans	Suitable cooling fans to be provided in the lower body.

Serial No - 3

Technical Specification of 4K UHD USB Video Conferencing Camera	
Parameter	Specifications
Camera Resolution	4k@30fps or better
Camera Sensor	8 Mega Pixel CMOS Sensor or better
Zoom	8x or higher
Field of View	120 degrees or better
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s or better
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	bracket with damper
Backlight Compensation	Should support Backlight Compensation
Digital Noise Reduction	2D & 3D Digital Noise Reduction
HDR	Should Support High Dynamic Range
Preset	Should have 3 Presets on Remote control
Resolution	Should support 4K Ultra HD with super resolution up to 4K@30fps/25fps encoding output, and down compatible with 1080p,720p.
Video Output	Should support USB 3.0 Video output suitable for software based video conference
Auto Focus Lens	Should be Complete customizable auto focus non-distortion lens, view angle up to 120°, should support EPTZ.
Built in Microphone	Should available Built in beamforming microphone array with noise suspension and automatic gain algorithm with audio pickup distance up to 4 meters or better

AI Powered Tracking	Should support Person Tracking, Auto framing with advance AI tracking Method
Remote control	All the parameters of the camera should be remote controlled using IR remote control
Interface	1x USB 3.0 Type C or more
Input Voltage	5V (USB power supply)
Certifications	BIS Certifications Required

Serial No - 4

Table for teacher	<p>Supplying & Placing executive table of size 1200[w]x600[d]x750[h]mm in completely knock down conditions that is to be assembled at site. The construction of the main table shall be free standing structure constructed with the help of minifix dowels and pins. The table top shall be made up of 25mm thick particle board with approved laminate and finish as per approved shade. The profile shall be in rectangle shape. The top shall be supported over particle board base gable end. The end wall of the table on the side shall be topped by gable end. It should be made up of 25mm thick particle board and profile shall be in linear shape. The table shall be clad with 18mm thick modesty panel which provide structural support for the table. It shall be 18mm thick particle board with appropriate PVC edge banding connected with both end. There shall be buffers provided at the base to avoid scratches on the floor. One hanging drawer shall be provided with an overall size 400mm X 450mm X 150mm with key locking mechanism. The drawer shall be made up of Pre-laminated particle board of grade II of IS 12823. Drawer side, back, top, facia shall be 18mm thick and drawer base shall be 9mm thick. The drawer shall be operated with AI die cast handle and easily close & open with the assistance of ball bearing channel to enable smooth operation</p>
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Pictures are for reference image only



Serial No- 5

<p>High Back Revolving chair for teacher</p>	<p>The seat shall be made up of 12mm thick hot-pressed plywood and molded seat foam upholstered with Micro fabric. Seat size shall be 450 mm (L) x 470 mm (W). Backrest & seat shall be provided with PPCP Cover. back shall also be upholstered with Micro fabric. Backrest size shall be 700 mm (H) x 470 mm (W). The foam used in the seat shall have density of Density of 50 – 60 Kg/m³ & Hardness of 13 – 17 Kgf (tolerance +/- 5%). The Armrest shall have adjustable feature so that it can be moved up & Down. The arm rest shall be made up of injection Moulded polypropylene. The size of the Arm rest shall be 160 mm (L) x 320 mm (H). The twin wheel castors used shall be injection Moulded in Nylon and shall have diameter of 50 mm. The chair shall have Single point locking synchro tilt mechanism with one lever control for locking and seat height adjustment. Mechanism shall be made of MS plate of thickness is 1.3 mm and tilting angle should be 30 degrees. The mechanism shall have knob to adjust the back tilt tension. The base of the chair shall be injection Moulded Nylon and fitted with 5 nos twin wheel castors. The base should have 630 pitch circle diameter.</p>
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Pictures are for reference image only



Serial No - 6

<p>Student chair with Cushion seat and Flip writing board</p>	<p>Supplying & Placing Student/Training room Chair. The seat shall be made of 15mm thick hot pressed plywood upholstered with high resilience polyurethane foam 40mm thick having density 32kg/m³ and the back shall be made of hot pressed plywood 12mm thick upholstered with high resilience polyurethane foam (19+12)mm thick having density 23kg/m³. The same shall be upholstered with fabric tapestry 0.6mm thick and 235 GSM. Writing pad shall be provided of 18mm thick and powder coated perforated booktry also</p>
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Picture are for reference image only



	<p>provided under the seat. The frame structure shall be supported by four legs made up of MS/CRCA powder coated round pipe of 1.5mm thick. There shall be PPCP shoe provided at the base to avoid scratches on the floor. The seat size shall be 410±10 mm(D) X 415±10 mm(W) and back size shall be 460±10 mm(W) X 300±10 mm(H) from seat. Overall height shall be = 770±10 mm.</p>	
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Serial No - 7

Technical Specifications of OnLine UPS	
Parameter	Specifications
Online UPS	Minimum 3000 VA / 2400 W
Power factor	Minimum ≥ 0.99 @ Nominal Voltage (100% Load)
Nominal Voltage	200 / 208 / 220 / 230 VAC
Input Voltage Range	55 - 150 VAC or 110 - 300 VAC (Based on Load at 50%) 85 - 140 VAC or 160 - 280 VAC (Based on Load at 100%)
Frequency Range	40 Hz ~ 70 Hz
Output Voltage	200 / 208 / 220 / 230 VAC
Voltage Regulation	± 1%
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60 Hz ± 0.3 Hz
Overload	Ambient Temp <30°C
	105% - 110% UPS Shut Down After 10 min. at Battery Mode or Transfer to Bypass When Utility is Normal
	110% - 130% UPS Shut Down After 1 min. at Battery Mode or Transfer to Bypass When Utility is Normal
	>130% UPS Shut Down After 3 sec. at Battery Mode or Transfer to Bypass When Utility is Normal
Current Crest Ratio	3.01
Harmonic Distortion	≤ 3 % THD (Linear Load)
	≤ 6 % THD (Non-Linear Load)
Transfer Time	
AC Mode to Battery Model	Zero
Inverter to Bypass	4 ms (Typical)
Waveform (Batt. Mode)	Pure Sinewave
Efficiency	
AC Mode (Overall)	0.9
Battery Mode (Inverter)	0.88
Battery Backup	30 mins backup on 80% load

Typical Recharge Time	4 Hours Recover to 90% Capacity
Charging Current (max.)	1A
Charging Voltage	82.1 VDC ±1%
Indicators	
LCD	Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode and Fault Indicators
Alarm	
Battery Mode	Sounding Every 4 Seconds
Low Battery	Sounding Every Second
Overload	Sounding Twice Every Second
Fault	Continuously Sounding
Environment	
Humidity	20 - 90 % RH @ 0 - 40°C (Non-Condensing)
Noise Level	Less than 50dBA @ 1 meter
Management	
Smart RS-232/USB	Supports Windows 2000 / 2003 / XP / Vista / 2008 / 7 / 8, Linux, Unix and MAC
Optional SNMP	Power Management from SNMP Manager and Web Browser

Serial No - 8

Technical Specification of Multifunctional Laser Printer	
Feature	Description/Specifications
Printer Type	A4 Black and White Laser Printer
Scanner Type	Flatbed
Scan Resolution	600 x 600 dpi or better
Colour Scanning	Should Support Colour Scanning
Printing Tray Input Capacity	Up to 50 sheets or more
Output Capacity	Up to 50 sheets or more
Multifunction	Print scan and copy

Serial No 9

Technical Specification of Wireless Internet Router	
Feature	Description/Specifications
Type	Dual Band Wireless
Antenna	Minimum 2 Nos of Antenna
Data Transfer Rate	433 megabits per second or better
Wireless Standard	802 11ac or better
Number Of Ports	Minimum 4 ethernet port
LAN Port Bandwidth	10/100 megabits per second
Security Protocol	WEP, WPA-PSK, WPA2-PSK

PART I: QUALIFICATION PROPOSAL FORMAT

Annexure-III

1. Letter of Intent and submission of proposal

The application form is required to be submitted on the company’s letter head. The format of application form is as follows

(On Applicant Company’s Letterhead)

<reference no., date>

To,

**The State Project Director,
SAMAGRA, SEMAM,
Meghalaya, Shillong**

Subject: Technical & Financial Proposal for supply of IMPLEMENTATION OF FOUNDATIONAL LITERACY & NUMERACY PROGRAM

Dear Sir/ Madam,

This has reference to the advertisement published in \diamond pertaining to the above mentioned subject. We are interested in submitting our Bid Document for the same. We are enclosing demand draft no.<_____> dated <_____> drawn on <Name of Bank> for Rs..... (in words.....) drawn in favor of **The State Project Director, SEMAM** payable at “Shillong” as BID DOCUMENT Security for participating in this BID DOCUMENT. We would like to clearly state that we qualify for this work as our company meets all the pre-qualifying criteria indicated by you in the document. We understand that if the details given in support of claims made by us are found to be untenable or unverifiable or both our bid will be rejected without any reference to us. We further clearly understand that **The State Project Director, SEMAM**, Meghalaya is not obliged to inform us of the reasons of rejection of our bid.

Yours sincerely

<Signature><Name, designation, contact address and telephone number of the authorized signatory>

PART II: FINANCIAL PROPOSAL FORMAT

Annexure -IV

1. Financial Proposal

Financial Proposal is invited from the bidders as per the format below

S. No.	Description	Qty	Unit Price including Taxes, Freight & Installation	Total Price including Taxes, Freight & Installation
A	Cost for setting Up the Experience Training Centers as per Annexure I	12		