

Samagra Shiksha, Department of School Education, Government of Tamil Nadu

Expression of Interest [EoI] is called from organizations for the detailed list of Science and Math equipment and experiment list for Class 6-10 to set up Science and Math Labs in Government Schools across Tamil Nadu

R.C. No. 1560/A5/STEM/SS/2022

Samagra Shiksha is an Integrated Scheme for School Education aimed at ensuring inclusive and equitable quality education for Classes 1 – 12. Samagra Shiksha subsumes three existing schemes, viz., Sarva Shiksha Abhiyan (SSA), Rashtriya Madhyamik Shiksha Abhiyan (RMSA) and Teacher Education (TE). The main outcomes of the Scheme are envisaged as Universal Access, Equity, Quality, and strengthening of Teacher Education Institutions (TEIs).

Context:

In this EoI, the State Project Director (hereinafter referred to as the “Authority”) seeks to invite responses from organizations for the detailed list of Science and Math equipment and experiment list for Class 6-10 for setting up Science and Math Labs in **13210** Government Schools across Tamil Nadu. This initiative is aimed at achieving the following goals:

1. Instilling scientific temper, critical thinking, and a spirit of innovation by doing hands-on experiments. The Government is planning to set up Science and Math Lab with high-quality equipment at school, cluster, and block levels.
2. Strengthening the education ecosystem through the provision of excellent research-based learning resources.
3. Exposing children to the latest technology and equipment will help them to stay updated in the Science and Math field.
4. Providing opportunities for children to learn by doing but also helps teachers to teach the concepts effectively.
5. Creating a way for community exposure by providing access to the labs for parents and others in the community during holidays, and SMC meetings.
6. On the above note, bidders are requested to map the equipment and experiment with the taxonomy of Class 6-10.
7. The identified equipment will be part of each school/cluster/block or even in the hands of each child depending on various criteria.

Terms of Reference:

1. In the schools across Tamil Nadu, equipment for both Science and Maths subjects is to be provided for students of Classes 6 to 10.
2. Bidder is allowed to express interest as a separate entity.
3. Taxonomy (**Annexure 3(a)**) is the compendium consisting of the following information. The bidders will be provided with the same.

- a. Taxonomy ID
 - b. Subject
 - c. Class
 - d. Term
 - e. Chapter No.
 - f. Chapter Name
 - g. Topic No.
 - h. Topic Name
 - i. Sub Topic No.
 - j. Sub Topic Name
 - k. Concept No.
 - l. Concept Name
 - m. Learning Outcome
4. With the above input (and any other input that may be required), the bidders are expected to map the experiments and equipments to the taxonomy. One equipment can also be used to conduct multiple experiments.
 5. Experiments for each concept are expected to fulfil the learning outcomes.
 6. Bidders would also be allowed to mention experiments that can explain concepts within a specified subject, across subjects and across classes. (Bidder should provide a detailed explanation of how the experiment will be in accordance with the Learning Outcome)
 7. The bidders are expected to provide the following: -
 - a. **Annexure 3(b)** – It needs to be submitted as a .csv file copied in CD and also as a printed document with all fields (mentioned below) filled.
 - i. Equipment ID.
 - ii. Equipment Name.
 - iii. Taxonomy IDs of the corresponding concepts explained through experiments.
 - iv. Make and Model.
 - v. OEM details.
 - vi. **Technical Specifications*** - It must define the quality of the equipment.
 - vii. **Experiments*** that can be performed using the equipment.
 - viii. **Manual***.
 - ix. Unit Cost of Equipment – One-time Cost.
 - x. Maintenance Cost/year – Recurring (Inclusive of all Consumables).
 - xi. Warranty (No. of Years/Replacement Guarantee suggested by the Bidder).

***For Marked ones, PDF files need to be copied on CD. In Annexure 3(b) and Annexure3(c), reference to equipment and experiment-related information must be mentioned in the corresponding fields as File Names and Page Nos. The files mentioned in Annexure 3(b) and Annexure 3(c) need to be copied**

on CD as PDF files and each file need to be submitted as a printed document also.

b. **Annexure 3(c)** – It needs to be submitted as a .csv file copied in CD and also as a printed document with all fields (mentioned below) filled.

- i. S. No.
- ii. Taxonomy ID
- iii. Subject
- iv. Class
- v. Equipment ID
- vi. Reference - File and Page No.

8. Vendor, expressing interest in this exercise is obliged for the following:

- a. To explain about details on equipment/experiments/ Usage etc., to the authority whenever called for.
- b. All the taxonomy IDs need to be mapped with experiment(s) and equipment(s).
- c. To collate and make sure final required documents as part of EOI reaches the authority both in printed format and CD on or before the deadline.

9. Only the Vendors who are expressing their interest will be considered for the next phase i.e., RfP for the procurement of the equipment.

The Authority hereby invites Expression of Interest (EOI) for a detailed list of Science and Math equipment and an experiment list for Class 6-10 to set up Science and Math Labs in Government Schools across Tamil Nadu with the above-mentioned terms of reference. Interested parties are required to submit a detailed proposal in the template in **Annexure 1**.

To clarify the initial doubts of the Bidders, a pre-Eoi discussion meeting will be held on 23/09/2022. All bidders are invited to send in their queries by and the same shall be responded to. The meeting will be held online. The online meeting link will be made available online on 22/09/2022.

Based on the submission of EOI, the firms shall be shortlisted and invited to submit their proposals. The Authority may, if required, limit the call for responses to the Request for Proposal only to shortlisted firms, based on their technical ability demonstrated. The Authority may also choose to empanel multiple vendors to provide services in different districts/ blocks based on their existing supply chain availability and strength of existing deployment.

In case of any clarifications/ doubts/ gaps in the response submitted, the Authority reserves the right to seek additional clarifications from the bidders/ call them for discussions.

The EOIs must be submitted through sealed envelopes addressed to:

State Project Director,
Samagra Shiksha Office,
DPI Campus, College Road,
Chennai, Tamil Nadu – 600006.

on or before 18/10/2022 and before 2:00 PM.

Annexure 1: Format for submission of the response to Expression of Interest

S.No.	Parameter	Response		
1	Name of the Bidder			
2	Address of Bidder			
3	Audited revenues and profit after tax of the Bidder (in Rs. crore). • Overall Turnover for the past 3 years should be Rs.25 crore and above.	Year	Revenue (Rs. in crore)	Profit (Rs. in crore)
		FY 2021-22		
		FY 2020-21		
		FY 2019-20		
4	Past Experience – Supply equipment to the institutions under the direct control of MHRD / Central or State Universities funded by the Government / Government Schools based on the Purchase orders issued by the Central /State Education Boards	<p>Work orders' worth a minimum value of Rs.25 lakh each and total value of Work orders' submitted as proof should be Rs. 5 crore or higher. Work orders' needs to be dated within the past 3 years (FY 2019-20, FY 2020-21, FY 2021-22) as on 31 March 2022.</p> <p>Completion certificate issued by the client and the proof for the payment settled from the client against each work order should be enclosed (for the same projects as the work orders' submitted).</p>		
5	Single point of contact of the bidder	Name		
		Designation		
		E-mail		
		Phone Number		
		Whether the individual can be contacted to provide inputs to the Authority on any matter	Yes / No	
6	OEM – Tie-Up & Quality Parameters for the Equipment suggested by the bidder	<p>If the Bidder is a Non-OEM, the following proof needs to be submitted.</p> <ol style="list-style-type: none"> Bidder Should submit valid proof for having a strong Tie-Up OEM for at least the past 3 years. Proof of Bidder having an office in India and it should be registered before 31.03.2019. Both Bidder and Tied-up OEM must submit the valid ISO-9001 Certification for the manufacturing Unit. Tied-up up OEM should have valid Bureau of India Standards certification (BIS) for all products. <p>If the Bidder is an OEM, the following proof needs to be submitted.</p> <ol style="list-style-type: none"> Proof for OEM is having an office in India and it should be registered before 31.03.2019. OEM Should have valid ISO-9001 certification for manufacturing Unit and Bureau of Indian Standards certification (BIS) for all products. 		

S.No.	Parameter	Response
10	Certification for Bidder	
11	Profile of Project Manager proposed to head this project (provide a detailed CV as per Annexure 2)	<i>Provide a 50-word summary here:</i>
15	Is there any system available for redressal of complaints/ maintenance/ replacement of the products procured, etc.	

Annexure 2: CV of Project Manager

1.	Proposed position				
2.	Name of staff	[First][Middle][Surname]			
3.	Date of birth				
4.	Profile Brief (in 50-75 words)				
5.	Nationality				
6.	Educational Qualification				
7.	Membership of Professional Organizations & Publications				
8.	Countries of Work Experience				
9.	Languages	Language	Proficiency (Good/ Fair/ Poor)		
			Speaking	Reading	Writing
		English			
		Tamil			
10.	Employment Record	Name of the Organization	Position held	Duration	
				YYYY to present	
11.	Previous Relevant work experience that best illustrates capability to handle the task assigned	<p>[Among the assignments in which the Staff has been involved, indicate the following information for those assignments that best illustrate staff capability to handle the tasks assigned]</p> <p>Project No. 1 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project cost: Main project features: Role of Staff on the project:</p>			
<p>Project No. 2 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project cost: Main project features:</p>					

		Role of Staff on the project:
		Project No. 3 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project cost: Main project features: Role of Staff on the project:
		Project No. 4 Name of assignment or project: Project start and end date: Location: Client: Designation of the project: Project Cost: Main project features: Role of Staff on the project:
12.	I hereby certify that all the information provided in this CV is correct to the best of my knowledge and belief. I hereby give my consent to my CV, included in this project.	
13.	Signature of candidate Date: Place:	

Annexure - 3(a)

Taxonomy Drive link:

https://drive.google.com/drive/folders/1hYFJycL7WBruUoDi6T0QWG3QAC_m73FU?usp=sharing

Note: Please copy and paste the above link in your browser to access the drive folder with taxonomy folder.

Annexure -3(b)

(Details about the Equipment able to supply by the bidder as per our requirements and must submit details for all our requirements)

Equipment ID	Equipment Name	Make and Model	Technical Specification*		Manual*		Experiments*		OEM Details	No. of the people are able to use equipment at the same time	Unit Cost of the Equipment – One-time Cost	Maintenance Cost/year – Recurring (Inclusive of all Consumables)	Warranty (No. of Years) / Replacement Guarantee suggested by the bidder
			File Name	Page No.	File Name	Page No.	File Name	Page No.					

***PDF files need to be submitted in Print and CD format - File Name and Page No. to be mentioned.**

Annexure – 3(c)

(Details about the Equipments able to supply by the bidder as per our requirements and must submit details for all our requirements)

S. No.	Taxonomy ID*	Subject	Class	Equipment ID	File Name**	Page Nos.

***Multiple equipment may be suggested for the same Taxonomy ID (Annexure – 3(a)).**

****File Name for the Experiment performable by the corresponding equipment.**

Note: In case of multiple equipment satisfying the same Taxonomy ID or one equipment satisfying multiple Taxonomy ID, mentioning it as separate row item is mandatory.