SCIENCE ON WHEELS

A. Overview and background of the project

Science on wheels is an initiative by KSCSTE to address significant gaps in education system especially in the rural areas of Kerala. The program is intended to spark creative thinking and problem solving skills, improve learning achievement and expand opportunities for children.

In this project, a mobile science facility (MSF) with exciting science models, experiments will be hired by KSCSTE which travels through all the 14 districts in Kerala. One school from each district will be identified by KSCSTE. The MSF will reach the school on day 1, trains a selected group of students identified by the school authorities on the different models and experiments with the help of teachers in the school. On day 2, a science exhibition/fair will be conducted at the school premises with the help of school authorities. The trained students will detail scientific concepts to other children in the school and nearby schools, thereby promoting peer-to-peer learning and interaction.

B. Objectives

The main objectives of the program are:
- to create curiosity among children towards science
- to attract and motivate children especially from the rural regions to quality educational initiatives
- to enhance access to hands on training in science
- to encourage students in learning new scientific skills, leadership capabilities and teamwork

C. Scope of work and requirements

The following broadly constitutes the scope of work:
1. The service provider shall provide a mobile science facility (MSF) preferably a bus with exciting and fun science models for demonstration and hand-on experience for school students. The facility should have a driver and instructor(s) who will train the students with the help of teachers on the models and science experiments.
2. The MSF should have at least 50 science models/ experiments.
3. The journey of MSF should start from the district of Kasaragod, Kerala on a date specified by KSCSTE, followed by all other districts in Kerala.
4. A school will be identified by KSCSTE in each district. The MSF shall be available for two days in each school.
5. The MSF should reach the school on day 1 and the instructors should train a selected group of students identified by the school authorities on the different models and experiments. On day 2, a science exhibition/fair will be conducted at the school premises with the help of school authorities. The trained students will detail the scientific concepts behind the models to other children in the school and nearby schools.
6. The power supply shall be provided by the school authorities.
7. The MSF shall display the logo and name of KSCSTE in the form of banner/ other visible forms throughout the programme.
8. The details of models/experiments available in the MSF shall be detailed in the proposal.

D. Review/qualification criteria

Government, Government-aided institutions, NGOs and other private institutions/entities which can provide the above facility can apply. The selection of the entity, shall be based on the quality of the submitted proposal, which shall be evaluated by a Committee constituted by KSCSTE. All entities shall submit the necessary documents to support the application as per KSCSTE rules. Through the call for the Expression of Interest (EOI), it is intended to select a qualified service provider who can deliver the MSF for the purpose detailed above.

E. Proposal shall include the following details:

1. Company/institution Overview
1.1. Complete registered name of company/institution
1.2. Type of activities
1.3. Overview of your company/institution and legal structure
1.4. Summary of your services
1.5. Country & State of registration
1.6. Region of operation in India
1.7. Year of establishment
1.8. Number of relevant technical experts (full time in the organization, and short-term experts)
1.9. Number of management-level employees
1.10. Address of company
1.11. Website

2. Authorized Point of Contact
2.1. Full name
2.2. Title
2.3. Position
2.4. Email
2.5. Phone Number

3. Available facilities, Technical Expertise and Past Experience in science & technology related extension activities
3.1 Please detail on the facilities being provided in the proposed MSF
3.2. Please mention up to 3 prominent areas of your expertise
3.3. Please include one page summary of your previous activities in these 3 areas of your expertise during the past 5 years (Projects in collaboration with government departments, agencies are strongly preferred)

4. Others (whichever is applicable)
• Representation and Certifications (Organization Conflict of Interest Certificate)
• Proof of incorporation
• Proof of registration (Copy of Business License)

F. PROPOSED START DATE

The start date will be finalized only based on the COVID-19 regulations of Govt. of Kerala.

G. DURATION OF THE PROJECT

The proposed duration of the project is 28 working days. However, the duration of the project is flexible and can be fixed on mutual agreement.

H. EVALUATION CRITERIA

EOIs will be scored on a 100-point scale. Available points for each evaluation factor are given below. EOIs must address each evaluation factor including the estimated budget

Pre-qualification Criteria	Points
A. Management Capacity and Profiles	**30**
Comprehensiveness of firm/institution profile (including key services, key geography of operations, headquarters location, year of establishment, organizational structure)	10
Ability to manage and execute science & technology extension activities	10
Demonstration of experience in relevant science & technology extension activities, degree of expertise and geographies of operations	10
B. Technical capacity	**30**
Level of clarity in the execution of the project, detail of the team profiles	15
Detail of the services offered	15
C. Past and Illustrative Performance	**30**
Track record in delivering similar services, highlighting key outcomes and efficiency in delivery (at least 3 project references in the last five years)	
D. Proposed Budget (approx.)	**10**
Estimated budget requirements for the execution of the entire project	
TOTAL	**100**