

Hiring of a Procurement & Implementation Agency for Establishing STEM Labs in Government Schools under the DigiArivu Initiative

Issued by: *United Nations Global Compact Network India (UNGONI)*

Engagement Type: *Financial Procurement & Deliverables-Based Contract*

Target Geography: *Kanchipuram and Ranipet Districts, Tamil Nadu*

Target Institutions: *10 government schools presently lacking STEM lab infrastructure*

Project Theme: *STEM, AI Basics, Digital Innovation, Teacher & Student Capacity Enablement*

“This engagement is undertaken as part of a financial procurement arrangement led by the United Nations Global Compact Network India (UNGONI) under the DigiArivu - STEM & Digital Learning Project. The selected agency shall be contracted for the procurement, supply, installation, and operationalisation of STEM lab kits and allied learning and training materials for students and teachers in the identified government schools. The agency will also be responsible for delivering structured teacher and student training programs, onboarding school leadership for needs submission, and ensuring functional readiness and sustained usage of the labs. This agreement is financial in nature, and UNGONI shall engage the agency as the primary procuring and implementing entity for all measurable deliverables under the project.”

1. Background and Context

1.1 UNGONI is implementing the **DigiArivu Initiative**, aimed at strengthening digital and STEM learning ecosystems in government schools.

1.2 District-level assessments confirm that **no functional STEM laboratories exist in the government schools of Ranipet and Kanchipuram**, presenting a universal learning infrastructure gap.

1.3 Several schools possess digital-enabled classrooms (computers/LEDs/projectors), yet these are **underutilised for practical, inquiry-based STEM learning**.

1.4 To convert existing infrastructure potential into active learning outcomes, the project will transform **computer-enabled classrooms into organised, functional STEM innovation labs**, powered by newly procured STEM kits and structured training interventions.

1.5 This ToR is being issued to identify and engage an agency capable of fulfilling both:

- Financial procurement of STEM lab hardware and training materials, and
- End-to-end implementation and training services that enable students and teachers to use the labs sustainably.

2. Objective of the Engagement

2.1 To engage a competent agency for:

- a) **Procurement, supply and installation of STEM lab kits and associated training materials** for teachers and students in nine (9) identified government schools, and
- b) **Implementation of teacher and student training programs**, school requirement mapping, and functional operational support for sustained lab use.

3. Scope of Work

3.1 Procurement Responsibilities

The agency shall:

a) Procure and supply AI-enabled Robotics and STEM Lab kits, including:

- Core robotics kits
- Coding and AI learning kits
- Arenas and practice tracks
- Sensor modules
- DIY add-on kits
- Peripherals, consumables, lab décor and student toolkits

b) Procure bilingual learning and training materials in **Tamil & English**, including:

- Teacher training manuals
- Lesson plans
- Student activity sheets and workbooks
- Assessment booklets
- Facilitator toolkits

c) Install labs within existing digital-equipped classrooms, ensuring plug-and-play functional readiness.

d) Maintain detailed inventory records, asset tagging, and installation evidence logs.

3.2 Implementation and Training Responsibilities

The agency shall also:

a) Conduct **minimum 40 hours of blended training for teachers** (~6 teachers per school) and provide **5 days of on-site handholding** during the lab launch phase.

b) Conduct **bi-weekly 60-90-minute hands-on STEM sessions for students** (Grades VI–XII).

c) Provide STEM technical support and lab-use mentoring to school staff teams

4. Core Deliverables

Deliverable Category	Expected Output
Procured STEM Infrastructure	10 fully installed, functional STEM Labs
Procured Learning Materials	Bilingual teacher and student training materials + toolkits
Teacher Capacity Enablement	40 hours blended training + 5 on-site handholding days
Student STEM Enablement	Bi-weekly 60 minute hands-on sessions
Validated Documentation	Asset logs, attendance, evidence photos, visit reports
Technical Support	Functional coordination with district and HQ teams

5. Agency Eligibility Criteria

The agency must demonstrate:

- Proven experience in school STEM lab hardware supply and procurement
- Field implementation expertise in coding, AI and robotics modules in higher secondary schools
- Capacity to conduct teacher-student training at scale
- Ability to deploy dedicated facilitators on-site
- Local language proficiency for training delivery (Tamil + English)

6. Reporting Structure

6.1 The selected agency will report directly to **UNGCNI HQ** for project procurement milestones, implementation progress, and KPI reporting.

6.2 The agency must adhere to:

- UNGCNI reporting SoP
- File naming conventions
- Version control practices
- Child safety and data confidentiality standards

7. Financial and Procurement Terms

7.1 This agreement is **financial and procurement-based** - UNGCNI will enter into a contract with the selected agency for fulfilment of all deliverables.

7.2 **The procurement and implementation scope shall not create partnership liability** beyond this contract's deliverables.

7.3 All cost estimates and procurement justification shall be submitted as part of the agency's proposal response.

8. Application Requirements for Agencies

The agency must submit:

1. Technical procurement + implementation proposal
2. Past procurement/lab portfolio and evidence
3. Training and support blueprint
4. Deployment plan and resource capacity
5. Portal onboarding approach

Submission Subject Line:

“Application for STEM Lab Procurement & Implementation Agency under DigiArivu | Tamil Nadu”

9. Rights Reserved

9.1 UNGCNI reserves the right to **modify or withdraw this ToR** at its discretion without assigning reasons.