Expression of Interest for Smart Class Rooms in 10 Smart Cities (Coimbatore, Madurai, Salem, Thanjavur, Tiruchirapalli, Vellore, Tirunelveli, Tiruppur, Thoothukudi and Erode) of Tamil Nadu

Ref #: TUFIDCO/CCC-SCR/1241/AM(M)/2018
Date: 23 March 2018

TUFIDCO is implementing Integrated Command and Control Center (ICCC) for ten smart cities (Coimbatore, Madurai, Salem, Thanjavur, Tiruchirapalli, Vellore, Tirunelveli, Tiruppur, Thoothukudi and Erode) of Tamil Nadu.

TUFIDCO intends to prepare a comprehensive plan for Smart Class Rooms for Corporations Schools in 10 Smart Cities and explore the workable models for the same.

The major aspects are listed below:
- Preparation of Smart Schools Concept plan for Corporation Schools in 10 Smart Cities
- Providing, Installing and Maintaining Smart Class Rooms
- Providing, Installing and Operating Concept Delivery for Tamil Nadu State Board Syllabus for K-12
- Exploring innovations in Smart Classrooms, K-12 Content Delivery over Mobile Apps

Outcomes
Learning analytics for each classroom Learning analytics should emphasize measurement and data collection as activities that schools need to undertake and understand, and focuses on the analysis and reporting of the data. The following key questions need to be answered in each subject with the help of learning analytics that has to be implemented:
- Review of daily performance report card for each student for each subject
- Review of performance report at student level, class level and school level
- Heat maps show which recordings in which subject are getting high viewing traffic, providing insights into comprehension trends
- Level of student participation for each subject in each class
- Feedback report on teacher by students for each subject

For a particular student's overall development the following answers should be given by the learning analytics:
- When are students ready to move on to the next topic?
- When are students falling behind in a course?
- When is a student at risk for not completing a course?
- What is the best next course for a given student?
- When a student should be referred to a counsellor for help?

Learning Analytics to should have drill-down and aggregation across Student View, Teacher View, Subject View, Class View, School View, City View, District View and State View – Interactive Dashboard Analytics

TUFIDCO is considering participation of private firms to implement the above aspects in an efficient and effective manner and thus TUFIDCO wishes to explore various solutions, the working models and business models. The firms interested are required to get through knowledge of Corporation School's potential and relevant State policy/laws applicable and come up with innovate technical proposals accordingly.

Submission

Following information is to be provided in response to the EOI by the interested firms:
1. Organization details and company registration certificates
2. Relevant work experience details
3. Proposals on Smart Classrooms and innovative solutions for K-12 Education Content delivery
4. Product offering along with working model and business model

The above said should be submitted in hard copy at TUFIDCO Office Address: 490, Anna Salai, Nandanam, Chennai-35. Phone: 044 – 24329800 at least by **17 April 2018**.

Presentation

The entities/firms are invited to make a presentation on the technical proposal at the office of TUFIDCO, Chennai on **19 April 2018 at 11.00 hrs**.

For any clarifications please mail to tufidcopw@gmail.com

Chairman and Managing Director
Tamil Nadu Urban Infrastructure and Finance Corporation