Date : 01.04.2025

Reply to the pre-bid queries *on* Request for Proposal (RFP) to undertake a Web Platform Development for "Tamil Nadu Land Use Information System (TNLUIS)" -

Sl. No.	Page No.	Clause / Section	RFP Clause	Query	Reply
1.	6,7 & 8	1.1. Objectives of the Study Assignment 1.2. Components of TNLUIS 1 .4. Methodology	**4. Data Integration:** To amalgamate data from diverse sources into a single, coherent platform, enhancing the capability to analyze, monitor, and manage land resources. **3. Dataset Repository:** This component will serve as the GIS dataset repository, housing utility data and data from other line departments. 3. TNLUIS will include interactive data visualizations, dynamic maps, and specialized modules for Climate Change, Forests, Water Resources, Urban areas, Land Use, Coastal resources, Disaster Management, Energy, and Sustainability. **Project Initiation and Planning:** The data sets from various organizations (provided by SPC) will be collated and analysed together to come up with various thematic inferences which will be assimilated to be used in TNLUIS in addition to several research findings carried out by TNSLURB	It is understood that all the datasets, as mentioned in the RFP including from other line departments etc., will be made available by SPC. Will the Various datasets being planned to be integrated into the proposed TNLUIS be in GIS ready formats? Or bidder will have to carry out digitization/processing of the data? If yes, then does SPC have any estimation on the volume of such data?	Yes. Will be made available Vendor is expect to digitize
2.	6	**1.2. Components of TNLUIS**	The user interface…specific modules. **Users may also choose to share their data with TNLUIS (which will be validated by the TNLUIS team).**	What will be the data that is anticipated to be shared/uploaded by users of TNLUIS, into the system?	Any format decided by Technical Committee

Sl. No.	Page No.	Clause / Section	RFP Clause	Query	Reply
3.	6	**1.2. Components of TNLUIS**	**2.TNSLURB research outcomes:** This component will display the research outcomes of the Tamil Nadu State Land Use Research Board.	in what formats will the research outcomes be in.	Text, Visual graphics, spatial layers sometime as pdf format
4.	7 & 8	**1.3. Expected outcome of the tool** **1.4. Methodology**	**Decision Support System:** TNLUIS will provide a robust decision- support tool….and disaster management. **By integrating comprehensive land use and environmental data** Tamil Nadu Land Use Information System (TNLUIS) will be developed through a multi-phased methodology to create a robust, user-friendly platform. It will integrate environmental and land use data from TNSLURB and other sources…	We understand that GIS ready **land use and environmental data** from TNSLURB as well as other sources as needed, will be made available by SPC.	Open source data available online is expected to be integrated into platform by the vendor and other data will be sourced by SPC.
5.	7	1. **Terms of Reference** 2. **1.2. Components of TNLUIS**	**3.Dataset Repository** This component will serve as the GIS dataset repository, housing utility data and data from other line departments. This data will be accessible within the 9 different modules as base data or additional data layer. Furthermore, this component will be dynamic, allowing administrators to select the data of their choice. If necessary, a live data uploading system can be provided to update the data. In addition to vector layers, this repository will also include raster data. This component will provide input data for the tools within the nine modules	Consultant understand that requisite vector and raster data from various line department is already collected and available readily with TNLUIS. Same shall be provided to consultant by TNLUIS for development of web portal Request to kindly specify approximate size of data – This is required to understand the volume of data for data analysis and processing Request to kindly specify the format of available data.(Geodatabase/SHP/Dwg etc.- for vector data and for Raster Data Geotif /JPG/IMG etc.)	In process Not available at this point Vector files are in .shp and Raster files are in .tif & .jpg

Sl. No.	Page No.	Clause / Section	RFP Clause	Query	Reply
6.	8	**1.3. Expected outcome of the tool**	**Environmental Sustainability:** TNLUIS will play a crucial role in monitoring environmental parameters, assessing the impacts of various activities, and ensuring compliance with environmental regulations. It will **facilitate the tracking of biodiversity, pollution levels, and land degradation,**	How is the biodiversity & pollution levels proposed to be tracked via TNLUIS system?	The Vendor to propose the same in technical presentation
7.	8 & 25	**1.4. Methodology** **ANNEXURE: 1**	Tamil Nadu Land Use Information System (TNLUIS) will be developed ... It will integrate environmental and land use data from TNSLURB and other sources, utilizing both customized and newly developed **predictive models,** **2. Climate change Module** 1. Predictive modelling of climate vulnerable areas **3. Disaster Management Module** 1. Predictive modelling of disasters based on historic data and other research based simulations The Land Use Information System (TNLUIS) will adopt a phased approach to develop a robust and user-friendly platform that integrates diverse environmental and land-use data. Leveraging research by TNSLURB and collaborating institutions, TNLUIS will incorporate **predictive models sourced from reputed organizations,** customized to Tamil Nadu's needs. Where existing models are unavailable, new ones will be developed in partnership with leading research bodies under the guidance of TNSLURB.	As mentioned in the RFP, will the predictive models, be made available by SPC.	Predictive models to be developed by the vendor

Sl. No.	Page No.	Clause / Section	RFP Clause	Query	Reply
8.	8	**1.4. Methodology**	1. TNLUIS will feature a web platform with a spatial framework,…	Kindly clarify the type of GIS platform to be used for TNLUIS? Whether its COTS based or open source?	To be suggested by the vendor. Expected to be presented before technical committee during RFP evaluation.
9.	9	**1.4. Methodology**	**Testing, and Deployment:** Comprehensive system testing, including …performance. Following successful pilot testing, TNLUIS will be rolled out statewide, accompanied by extensive **training sessions** and detailed documentation to support end-users and stakeholders	Kindly clarify the following with respect to Training sessions: 1. How many days and number of officials to whom the training session have to be conducted 2. The location of training and will the infrastructure like training rooms etc. be made available by SPC?	Training rooms will be facilitated but training to be imparted by the vendor.
10.	9	**1.4. Methodology**	**Maintenance, Upgrades, and Evaluation:** For a period of three years, a dedicated in-house support team will provide ongoing assistance and resolve any emerging issues with the support of the vendor.	We understand that the support team will not be required to be deployed at SPC and support has to be provided on remote basis	Yes, if required the team has to be stationed for a while depending on the need.
11.	11	**3. Technical Proposal**	Proposed Operating Mechanism-Design, Work Plan/Execution Strategy — Evaluation will be based on the presentation to be made by the Applicants. The date & time for Presentation would be conveyed through email	What needs to be presented as part of technical presentation, whether any existing systems, past experience of firm etc.?	Technical proposal to be presented.
12.	19	**CHAPTER 2 - CONTRACT CONDITIONS**	15. Deliverables & Payment Schedule	We understand that Operation & Maintenance Charges will be paid on quarterly basis	Will be indicated in the work order or TOR

Sl. No.	Page No.	Clause / Section	RFP Clause	Query	Reply
13.	20	**CHAPTER 2 - CONTRACT CONDITIONS**	15. Deliverables & Payment Schedule 4. On Successful hosting of the platform in TNSDC server after completion of all necessary security audits and made live.	We understand that Staging server will be made available by the Department to conduct the security audit. If not, then please confirm whether System provider's development/staging server should be used for this purpose.	Initial server requirement to be arranged by the vendor. Security audit cost to be borne by the vendor. On final deployment server for hosting will be arranged by SPC
14.	24	**ANNEXURE: 1**	**Description of TNLUIS modules** The following parameters are mentioned for your reference and the parameters might not be explicit for the modules. All these modules can **use the pre-existing tools** and if required new tools can be created	What is meant by "**use the pre-existing tools**" in this clause? Does it refer to the tools already available with SPC that need to be used in TNLUIS?	Approved Tools that are created by other National/International institutions can be integrated in TNLUIS, and the modules or Tools created from the TNSLURB studies can also be integrated in this platform.
15.	25 & 28	**ANNEXURE: 1**	**2. Climate change Module** 2. Real time integration of Weather data from various authenticated sources **8. Urban and Peri-urban Module:** Air Pollution Monitoring	How will the Weather data and Air pollution data be made available? Whether it is API based?	Vendor is expected to explore and propose.
16.	25	**ANNEXURE: 1**	**2. Climate change Module** The climate module is expected to play a vital role in addressing climate-related issues at the state level, offering a comprehensive understanding of how climate change affects various sectors. By analyzing historical data and future projections, this module helps assess the extent of climate impacts on ecosystems, agriculture, water resources, and human health. 1. Predictive modelling of climate vulnerable areas 2. Real time integration of Weather data from various authenticated sources	Consultant understands that predictive modelling of climatic vulnerable areas is already developed and it shall be shared to consultant for customization	Vendor to propose.

Sl. No.	Page No.	Clause / Section	RFP Clause	Query	Reply
17.	27	**ANNEXURE: 1**	**6. Agriculture Module:** Yield estimation Crop Monitoring	We understand that Yield estimation & Crop monitoring has to be done using the satellite imageries provided by SPC? The frequency at which this exercise has to be carried out ?	Vendor to propose after the assessment of the need
18.		**General**		Consultant understand that predictive modelling for 9 modules (LULC, Climate, Disaster, Energy, Agriculture, Forest, Urban, Water Resources, Coastal etc.) is already developed and same shall be shared with consultant for further customization	The proposal is to develop those, if any open source module is available that could be used, but this is possible only on the approval of technical committee.
19.	15	**11. Deadline for submission**	The last date of submission of proposal is 21.04.2025 (5.00 pm)	Reasonable amount of time is required to prepare a comprehensive bid. TNLUIS is therefore requested to provide at least 10 days' time with effect from date of issue of pre-bid clarifications and extend the deadline for the submission of Bid presently stated accordingly.	No extension of time.

Sd/- Member Secretary