

**Tamil Nadu Tourism Development Corporation Ltd. (TTDC)**

**National Competitive Bidding (NCB) for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu**



**Technical Bid**

**Issued on: 29.04.2022**

**Invitation for Bids No.: 2529 – D/Engg/2021**

**Estimated Project Cost (Excluding GST): INR 8.41 Crore**

**Employer**

**The Managing Director,**  
**Tamil Nadu Tourism Development Corporation Limited,**  
Tamil Nadu Tourism Complex,  
2 Wallajah Road,  
Chennai – 600 002, Tamil Nadu  
**Telephone: +914425333851-85**  
**Email: pe.ttdc@gmail.com**

The Managing Director on behalf of Tamil Nadu Tourism Development Corporation Ltd., invites tender for the work detailed in table below.

<b>Project Name</b>	Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning 3D visual laser projection mapping with animation technology and 5.1 audio synchronized with (3D projection and laser) show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu			
<b>Purpose of the current Public Procurement Process</b>	Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning 3D visual laser projection mapping with animation technology and 5.1 audio synchronized with (3D projection and laser) show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu			
<b>S. No.</b>	<b>Name of work</b>	<b>Earnest Money Deposit (in Rs.)</b>	<b>Cost of Tender Document (in Rs.)</b>	<b>Period of Completion</b>
1	Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the advance visual projection mapping with animation technology and 5.1 audio synchronized with (3D projection and laser) show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu	<b>Rs.8,40,000/-</b> (Rupees Eight Lakhs Forty Thousand Only)	<b>Rs.15,000/-</b> (Rupees Fifteen Thousand only plus 18% GST)	<b>32 weeks</b>
2	Date & Time for application for issue of Tender form	i) The Tender documents can be obtained from office of the <b>“Project Engineer”</b> TTDC on all working days from 29.04.2022 to 30.05.2022 upto 5.00 P.M. ii) Last date and time for online issue of tender document is on 31.05.2022 upto 1.00 P.M. iii) Further the bidding document may also be downloaded from the website <a href="http://www.tenders.tn.gov.in">www.tenders.tn.gov.in</a> and <a href="http://www.tamilnadutourism.org">www.tamilnadutourism.org</a>		
3	Time/Date of receipt/ opening of tender	i) Pre-bid conference shall be held in the Board Room, TTDC Tamil Nadu, on 12.05.2022 at 11.00 A.M. ii) Last date and time for submission of eligibility / tender documents along with EMD on 31.05.2022 upto 3.00 P.M. iii) Opening of eligibility documents on 31.05.2022 at 3.30P.M. iv) Date and time of technical presentation and opening of financial bids will be intimated later.		
4	Communications	The Managing Director, Tamil Nadu Tourism Development Corporation Tourism Complex, No.2, Wallajah Road, Chennai Tamil Nadu 600 002, India Email: <a href="mailto:pe.ttdc@gmail.com">pe.ttdc@gmail.com</a> Phone: 044-2533 3555		

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## DISCLAIMER

The information contained in this Request for Proposal document (the “RFP”) or subsequently provided to the Applicant(s), whether verbally or in documentary or any other form by or on behalf of Tamil Nadu Tourism Development Corporation Ltd. (“TTDC” or the “Authority”) or any of its employees or advisors, is provided to the Applicant(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor invitation by the Authority to the prospective Applicants or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in submitting their Technical and Financial Proposals (together constituting the “Application”) pursuant to this RFP. This RFP includes statements which reflect various assumptions and assessments arrived at by the Authority in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. This RFP may not be appropriate for all persons, and it is not possible for the Authority, its employees, or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP. The assumptions, assessments, statements and information contained in this RFP may not be complete, accurate, adequate or correct. Each Applicant should, therefore, conduct its own investigations and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this RFP and obtain independent advice from appropriate sources.

Information provided in this RFP to the Applicant(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein. The Authority, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of this RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way for participation in this Bidding Process. The Authority also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Applicant upon the statements contained in this RFP. The Authority may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP. The issue of this RFP does not imply in any way, that the Authority is bound to select an Applicant or to appoint the Concessionaire, as the case may be, for the Project and the Authority reserves the right to reject all or any of the Applicants or Bids without assigning any reason whatsoever. The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Application including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by the Authority or any other costs incurred in connection with or relating to its Application. All such costs and expenses will remain with the Applicant and the Authority shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred

by Applicant in preparation or submission of the Application, regardless of the conduct or outcome of the Bidding Process.

## 1 Section-1: Letter of Invitation

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Date:

To,

Prospective Applicants

**Subject:** Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning 3D laser projection mapping with animation technology and 5.1 audio synchronized with (3D projection mapping/ laser show) lighting for 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

Tamil Nadu Tourism Development Corporation Ltd. has decided to develop Son-et-Lumiere (sound and 3D projection mapping/ laser show) at Thiruvalluvar Statue, Kanyakumari:

- The Thiruvalluvar Statue, or the Valluvar Statue, is a 41-metre-tall (133 ft) stone sculpture located atop a small island.
- The statue stands 400 metres (1,300 ft) from the coastline of Kanyakumari on a small island rock. Ferry service are available from the mainland. The ferry service to Vivekananda Rock Memorial stops for a while at the Valluvar Statue.
- The combined height of the statue and pedestal is 133 feet (41 metres), This includes 95 feet (29 metres) sculpture of Valluvar standing upon a 38 feet (12 metres) pedestal.
- The Statue is located at the confluence of the Indian Ocean, Bay of Bengal, and Arabian Sea, and is visible from the coast of Kanyakumari.
- Kanyakumari witnesses high domestic and international tourist footfalls throughout the year.
- There is immense potential to further develop the town through multiple tourist attractions.
- The central location of the statue is ideal for the development of a 3D projection mapping/ laser show.
- TTDC also intends to develop the existing seating area located onshore adjacent to the Ferry terminal for viewing of the 3D projection mapping/ laser show. It is proposed to instal the sound systems at this location and levy user charges for this exclusive ticketed area.

The Thiruvalluvar Statue may be considered as one of the most unique and challenging project sites for a Son-et-Lumiere show in the world, where the applicant may need to overcome several technical challenges to achieve successful implementation, operation and maintenance. Some of the key considerations to be undertaken by the applicant are as follows:

**Key considerations:**

- The distance from the viewing gallery and the Statute (island) is approximately 400m.
- The projectors shall be installed on the island and the audio system installed at the viewing gallery onshore. Synchronization between these systems to be ensured with marine cables.

- The project site is impacted by multi-directional, high velocity, saline winds, throughout the year. Arrangements must be taken to account for the same while installation of equipment.
- Ferry service operated by Poompuhar Shipping Corporation to the island are available only during high tides.

A Single Stage “Two Envelope” bidding process is being followed for determining the Successful Applicant, wherein the proposals are being invited from the Applicants on the basis of their qualification as detailed out in the Request for Proposal document being followed for this bidding process. The Applicants shall submit their detailed technical and financial proposals and qualify for undertaking the Project as set out in this RFP document. This RFP document contains information about the Project, bidding process, proposal submission, qualification criteria, evaluation process and financial proposal requirement.

Applicants would be required to submit their technical and financial proposals as per format given in **Section 4 & Section 5** of this document. The Technical Proposal will be examined for substantive compliance or responsiveness to the Proposal requirements. The Client would evaluate the Technical Proposals as per the evaluation criteria mentioned the RFP Document. Only those Applicants, whose Technical Proposals are adjudged responsive, and qualify the technical evaluation as per the terms of the RFP, would be nominated as qualified Applicants for the purpose of opening of financial proposals and their evaluation.

The completed proposals should be submitted on or before the Proposal Due Date as specified in Proposal Data Sheet, in the manner specified in the RFP document to the under mentioned official. The Client shall not be responsible for any delay in receiving the proposal and reserves the right to reject any or all Proposals without assigning any reason thereof.

Sd/-

The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
2 Wallajah Road, Chennai  
Tamil Nadu 600 002, India

## 2 Section-2: Instructions to Applicants

### 2.1 Definitions

Applicant/Bidder:	Means any person or entity who may be selected as the Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning of the advance visual projection mapping show with animation technology and 5.1 audio synchronized with 3D projection mapping/ laser show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu through TTDC under the Contract independently or as a part of consortium.
Application/ Bid:	Response to this RFP with all necessary documents as specified.
Assignment:	Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning of the advance visual projection mapping show with animation technology and 5.1 audio synchronized with 3D projection mapping/ laser show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu.
Turnkey Basis:	means permanent installations requiring design, supply, installation, testing and commissioning, operations and maintenance including all civil electrical work and the requisite manpower for the assignment.
Data Sheet:	means such part of the Instructions to Applicants used to reflect specific country and assignment conditions.
Day:	means calendar day
Government:	means the Government of Tamil Nadu, India.
TTDC:	Tamil Nadu Tourism Development Corporation Ltd.
LOI (Section 1 of RFP):	means the Letter of Invitation being sent by TTDC to the Applicant
Instructions Applicant (Section 2 of RFP):	means the document which provides Applicant with all information needed to prepare their Proposals
Personnel:	means Professionals and support staff to be provided by the Applicant or by any Subcontractor and assigned to perform the works or any part thereof; "Foreign personnel" means such Professionals and support staff who, as on proposal due date had their domicile outside the employer's country; "Local Personnel" means such Professionals and support staff who as on proposal due date had their domicile inside the employer's country.
Project:	means Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning of the 3D projection mapping/ laser show with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu as detailed out in this RFP document.
Proposal:	means the Technical Proposal and the Financial Proposal.
Public Procurement Process:	means the process for the Selection of a Contractor for the Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of

	Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu.
RFP:	means this Request for Proposal document prepared by the TTDC for the selection of Applicant for the Assignment.
Works:	means what is required to be provided by the selected Applicant as per Terms of Reference (Section 6 of the RFP).
Sub-Contractor:	means any person or entity with whom the Applicant sub-contracts any part of the Assignment.
Terms of Reference:	(TOR) means the works described in Section 6 of this RFP document which explains the objectives, scope of work, activities, and tasks to be performed, respective responsibilities of TTDC and the selected Applicant and expected results and deliverables of the assignment.

The words and expressions beginning with capital letters and defined in this document shall, unless repugnant to the context, have the meaning ascribed thereto herein.

## 2.2 Background

- a. This Request for Proposal (RFP) document is for selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu showcasing spiritual, historical, peaceful and harmonious background of the place in the history of India and at a place that attracts tourism. The project is described here under:
  - I. TTDC has adopted a single stage two envelope competitive bid process (collectively called as the “Bidding Process”) for selection of the Applicant for award of the Project. It involves: Pre-Qualification cum Tender is invited for Implementation the advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu on turnkey basis from Companies based on the competitive and quality-based offers in Two-part Quality Cost based System i.e., Part No.1: Pre-qualification and Technical bid (Technical Documents), Part No. 2: Financial bid.
  - II. Qualification (the “Qualification”) of interested Applicants who make a qualification application (the “Qualification Application” or “Technical Proposal”). At the end of this stage, the Authority expects to announce a short-list of suitable pre-qualified Applicants (the “Qualified Applicants”) meeting the Threshold Experience and Technical Experience, who shall be eligible for participation in the second stage of the Bidding Process.
  - III. In second stage of the Bidding Process, the Authority will evaluate the financial proposals (the “Financial Proposal” or “Price Sheet”), of only the Qualified Applications.
- b. This RFP is being issued to the Applicants who have sought to obtain the RFP pursuant to the publication of NIT in newspapers.

- c. The Applicants are invited to submit a Technical Proposal and a Financial Proposal, as specified in the Data Sheet for the works required for the assignment, named in the Data Sheet. The proposal will be the basis for contract negotiations and ultimately a contract will be signed Between the TTDC and the successful Applicant.
- d. The Applicants should familiarize themselves with local conditions and take them into account in preparing their Proposal. To obtain first-hand information on the assignment and local conditions. Applicants are encouraged to visit the Project location before submitting a proposal. Applicants should contact TTDC officials named in the Data Sheet to arrange for their visit or to obtain additional information. Applicants should ensure that these officials are advised of the visit in adequate time to allow them to make appropriate arrangements. TTDC will timely provide at its own cost, the inputs and facilities specified in the Data Sheet needed to carry out the works and make available relevant project data and reports.

### 2.2.1 Proposed RFP Timeline

S.No.	Particulars	Days
1	Issue the RFP to the Applicants	T
2	Pre-bid Conference	T+7 days
3	Submission of the Technical and Financial Proposals	T+31 days
4	Opening of the Technical Proposals	T+32 days
5	Presentation by Applicants at Chennai	T+39 days
6	Opening of Financial Proposal of the Technically qualified Applicants	T+42 days
7	Issue of Notice of Award	T+48 days
8	Contract Signing	T+58 days

### 2.2.2 Cost of the Proposal

Applicants shall bear all costs associated with the preparation and submission of their proposals and contract negotiation. TTDC is not bound to accept any proposal and reserves the right to annul the Public Procurement Process at any time prior to Contract award, without thereby incurring any liability to the Applicant.

- a. The Proposal shall be valid for a period of not less than 180 (One Hundred and Eighty) days from the Proposal Due Date.
- b. Currency conversion rate and payment - Not applicable

### 2.2.3 Scope of Proposal

Detailed description of the objectives, scope of works, deliverables and other requirements relating to this Assignment are specified in this RFP document. An Applicant may participate in the Public Procurement Process either individually (the “Sole Firm”) or as consortium of firms (the “Consortium”) in response to this RFP. The term applicant (the “Applicant”) means the Sole Firm, or The Consortium represented by the Lead Member of the Consortium, as the case may be. The way the Proposal is required to be submitted, evaluated, and accepted is explained in this RFP.

- a. Applicants are advised that the selection shall be based on an evaluation by the TTDC through the Public Procurement Process specified in this RFP. Applicants shall be deemed to have understood and agreed that no explanation or justification for any aspect of the Public Procurement Process will be given and that the TTDC's decisions are without any right of appeal whatsoever.
- b. The Applicant shall submit its Proposal in the form and manner specified in this Section of the RFP. The Technical proposal shall be submitted in the forms at Section 4 and the Financial Proposal shall be submitted in the forms at Section 5. Upon selection, the Applicant shall be required to enter into a Contract with the Client.

### 2.3 Conflict of Interest

- a. TTDC policy requires Applicant to provide professional, objective, and impartial advice services and at all times hold the TTDC's interests paramount, strictly avoid conflicts with other assignments or their own corporate interests and act without any consideration for future work.
- b. Without limitation on the generality of the foregoing, Applicants, and any of their affiliates, shall be considered to have a conflict of interest and shall not be recruited, under any of the circumstances set forth below:
  - An Applicant (including its Personnel and Sub Contractors) or any of its affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Applicant for the same or for another Client.
- c. The Applicant shall be aware of its obligations under the Contract to
  - i. Notify TTDC of any Personnel (including Sub Contractor's Personnel) assigned to provide the Services under the Contract who is a former TTDC staff member and to warrant that the said former TTDC staff member is not subject to any work restrictions by virtue of such former employment with TTDC. For purposes of this clause, TTDC staff members are defined as current and retired TTDC employees, and individuals that have worked for the TTDC any time in the past.
  - ii. Use its best efforts not to assign any personnel (including Sub Contractor's Personnel) to the Contract who are relatives of current TTDC staff, and in the event that TTDC or Applicant discovers that any Personnel is a close relative of a current TTDC staff member, to promptly replace the said Personnel at no cost to TTDC with an individual having equivalent skill sets, if not better. For the purpose of this clause a relative is defined as: father, mother, brother, sister, son, daughter, husband, wife, aunt, uncle, nephew, and niece.
  - iii. Confirm, at the time of signing the Contract, that the Applicant is not knowingly advising any "outside party," defined to mean an individual or firm (A) with which TTDC is engaged in a formal dispute (i.e., the outside Party is suing or has been sued by the TTDC), (B) who is being investigated by the TTDC for fraud or corruption, or is ineligible to be awarded a TTDC - financed contract because of fraud or corruption, or (C) whose complaint against a procurement decision is under review by TTDC.
  - iv. Applicants have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve in the best interest of the TTDC, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Applicant or the termination of its Contract.
  - v. No agency or current employees of TTDC shall work as Applicants under their own departments or agencies. Recruiting former government employees or TTDC retired officers to work for TTDC is acceptable provided no conflict of interest exists. When the Applicant

nominates any government employee as Personnel in their Technical Proposal, such Personnel must have written certification from their government or employer confirming that they are on leave without pay from their official position and allowed to work full-time outside of their previous official position. Such certification shall be provided to TTDC by the Applicant as part of its Technical Proposal.

## 2.4 Fraud & Corruption

2.4.1 TTDC requires that all Applicants participating in this Project adhere to the highest ethical standards, both during the Public Procurement Process and throughout the execution of a Contract. In pursuance of this policy, TTDC defines, for the purpose of this paragraph, the terms set forth below as follows:

- “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value (whether in cash or kind) to influence the action of TTDC official in the Public Procurement Process or in Contract execution.
  - “fraudulent practice” means a misrepresentation or omission of facts in order to influence the Public Procurement process or the execution of a Contract.
  - “collusive practices” means a scheme or arrangement between two or more Applicants with or without the knowledge of the TTDC, designed to establish prices at artificial, noncompetitive levels.
  - “coercive practices” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or affect the execution of a contract.
- a. TTDC will reject a proposal for award if it comes to know that the Applicant recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract in question.
  - b. TTDC will terminate the Contract, if it determines at any time that representatives of the applicant were engaged in corrupt, fraudulent, collusive, or coercive practices during the Public Procurement process or the execution of the Contract.
  - c. TTDC will sanction the Applicant, including declaring the Applicant as ineligible, either indefinitely or for a stated period of time, to be awarded a TTDC Contract if at any time it determines that the Applicant has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, a TTDC contract.
  - d. TTDC will have the right to require that, in Contracts financed by the TTDC, a provision be included requiring Applicant to permit TTDC to inspect their accounts and records and other documents relating to the submission of proposals and contract performance and have them audited by auditors appointed by the TTDC.
  - e. No Applicant, its Sub-Contractor(s), or associate(s) shall be under a declaration of ineligibility for corrupt and fraudulent practices issued by the TTDC in accordance with Clause 2.4 (a) above. Furthermore, the Applicant shall be aware of the provisions on fraud and corruption stated in the specific clauses in the General Conditions of Contract.

2.4.2 TTDC may at its sole discretion and at any time during the processing of tender, disqualify any applicant from the tendering process if the applicant has:

- Submitted the bid after the prescribed date and time of submission of Bids.
- Made misleading or false representations in the forms, statements and attachments submitted in proof of the eligibility requirements.

- If found to have a record of poor performance such as abandoning works, not properly completing the contract, inordinately delaying completion, being involved in litigation or financial failures, etc.
- Submitted Bid document, which is not accompanied by required documentation, Earnest Money Deposit (EMD), and Cost of Tender document shall be non-responsive.
- Failed to provide clarifications related thereto, when sought.
- If the technical offer contains any price information.
- Stipulated conditions in Bid.
- Has been found to canvass, influence, or attempt to influence in any manner the qualification or selection process, including without limitation, by offering bribes or other illegal gratification.

## 2.5 Commission and Gratuities

Each Applicant shall furnish information on commissions and gratuities, if any, paid or to be paid to agents relating to this proposal and during execution of the assignment if the Applicant is awarded the Contract, as requested in the Financial Proposal submission form (Section 5).

## 2.6 Origin of Applicant Firm

Applicant Firms from India or abroad are participating in this Public Procurement Process. The foreign Applicant firms interested to participate in the Public Procurement Process shall **comply with all the applicable laws of India** including legislations, rules, regulations etc. Proposals which are submitted in violation of any applicable law of India shall be liable to be rejected by TTDC.

## 2.7 Only one proposal

Applicant is eligible to submit only one proposal. If an Applicant submits or participates in more than one proposal as a sole firm or as a member of a Consortium, then such proposals shall be disqualified. However, this does not limit the participation of the same Sub-Contractor to more than one proposal.

## 2.8 Proposal Validity

The Proposal must remain valid for 180 days after the submission date. During this period, Applicants shall maintain the availability of Professional staff nominated in the Proposal. TTDC will make its best effort to complete negotiations within this period. Should the need arise; TTDC may request Applicants to extend the validity period of their Proposals. Applicants who agree to such extension shall confirm that they maintain the availability of the Professional staff nominated in the Proposal, or in their confirmation of extension of validity of the Proposal, Applicants could submit new staff in replacement, which would be considered in the final evaluation for contract award. Applicants who do not agree, have the right to refuse to extend the validity of their Proposals and in such cases, their proposals would be liable for rejection by TTDC.

## 2.9 Minimum Eligibility of Applicants

### 2.9.1 Technical Criteria:

- a. The bidder can be single firm / consortium. The bidder should submit valid incorporation/registration certificate of the firm, PAN Card and GST registration certificate.
- b. The bidder should have completed, at least **two Eligible Projects of more than INR 4.5 Crore or one Eligible Project of more than INR 8 Crore**, in the last five years preceding the date of the issue of this RFP.
  - i. **Eligible Project** means project requiring design, supply, installation, testing and commissioning for Outdoor Sound and 3D projection mapping with animation technology for statues, places and buildings of heritage and cultural importance where the applicant has provided installations of audio, video and lighting systems installed in creative themes with operation and Maintenance carried out either directly or as a member of consortium. Simple video projections on plain or flat surfaces / projection screens/ water screens will not be considered in the category of similar works.
  - ii. All projects where the contractual commitments (SITC and /Or O&M) have been completed in the last 5 years. The project should be currently operational or should have been completed and operational for at least 1year, after which the project was handed over to client in good working condition fulfilling all contractual commitments. *(If the project operations have been temporarily halted due to Covid-19 restrictions, relevant supporting documentation/Government Order/Notifications etc. must be furnished by the applicant.)*
  - iii. The project cost, as certified by the client/authority, should be at least INR 4.5 Crore for two projects or INR 8.00 Crore for one project

### 2.9.2 Financial Criteria:

- a. For any three out of the last five financial years ending 31<sup>st</sup> March 2022 (FY 2017 to FY 2022), the Bidder should have an average **annual turnover of INR 2.5 Crore** (Two Crore and Fifty Lakhs) or more.
- b. The Applicant should submit a Banker's certificate for the value of minimum INR 2.5 Crore (Two Crore and Fifty Lakhs) as per the format attached in FIN FORM-13: FORM OF BANKERS CERTIFICATE FROM A SCHEDULED BANK
- c. Audited balance sheet and Profit & Loss accounts certified by the Chartered Accountant shall be produced along with turnover certificate.

### 2.10 Participation in Consortium

- a. Number of members in a consortium should be limited to **2 (Two)**.
- b. The Proposal should include a description of the roles and responsibilities of individual members of the consortium. Refer to FORM TECH-7: WORK SCHEDULE.

- c. Members of the consortium shall nominate one member as the Lead Member. All minimum technical and financial criteria as specified in Clause 2.9, shall be satisfied collectively between the two members of the consortium.
- d. Members of the consortium shall enter into Memorandum of Understanding (MOU) with each other for providing services in this Project, to be submitted along with the proposal document as specified in the technical evaluation criteria in the Data Sheet– (FORM TECH-10: FORMAT FOR THE MOU OF THE CONSORTIUM).
- e. International / Foreign Consortium members to have prior presence of working in India or must provide apostilled documented of their past work experience of eligible projects.

#### **2.11 Pre-bid Conference & Due Diligence**

Prebid conference for the Project is scheduled to be conducted on the date, time and venue as specified in the Data Sheet. All Prebid queries shall be provided as per the format provided in FORM TECH-3: FORMAT FOR PRE-BID QUEREIS.

#### **2.12 Site Visit & Verification of Information**

Applicants are encouraged to submit their respective Proposals after visiting the Project site and ascertaining for themselves the site conditions, location, surroundings, climate, and access to the site, availability of other data with the TTDC, Applicable Laws and regulations or any other matter considered relevant by them. Visits shall be organized for the benefit of prospective Applicants on dates, time and venue as specified in the RFP document. All costs for such visits shall be borne by the Applicants.

#### **2.13 Clarification and amendment of RFP documents**

- a. Applicants may request clarifications regarding any provision of this RFP document up to the number of days indicated in the Data Sheet before the proposal submission date. Any request for clarification must be sent in writing as per the FORM TECH-3: FORMAT FOR PRE-BID QUEREIS or by standard electronic means to the TTDC's email address indicated in the Data Sheet. TTDC will respond in writing, or by standard electronic means and will send written copies of the response (including an explanation of the query but without identifying the source of inquiry) to all Applicants. Should TTDC deem it necessary to amend the RFP document as a result of a clarification, it shall do so by following the following procedure.
- b. At any time before the submission of Proposals, TTDC may amend the RFP document by issuing an addendum in writing or by standard electronic means. The addendum shall be published on the Tender website.

## 2.14 Earnest Money Deposit (EMD)

2.14.1 The applicants should submit an **EMD of INR 8,40,000** (Rupees Eight Lakhs and Forty Thousand only) to be paid in form of Demand Draft in favour of Tamil Nadu Tourism Development Corporation Ltd.

On successful empanelment of the applicant, the said EMD will be adjusted with the Performance Security deposit with the TTDC during the execution period. In case of non-selection of any applicants, the said EMD will be refunded to such applicants not later than 90 days from issue of Letter of Award to successful bidder.

The Data Sheet indicates the validity of the Applicant's EMD must after the submission date.

2.14.2 The applicants should submit the cost of tender document (Non-Refundable) of **INR 15,000 (Rupees Fifteen Thousand only) + 18% GST** to be paid in form of Demand Draft in Favor of Tamil Nadu Tourism Development Corporation Ltd.

**EMD Exemption shall not be permitted under any circumstances.**

## 2.15 Preparation of Proposal

- a. The Proposal as well as all related correspondence exchanged by the Applicant and TTDC, shall be written in English. While preparing their Technical Proposal, Applicants are expected to examine the documents constituting this RFP in detail.
- b. All pages of the proposal shall be provided with page numbers.
- c. The technical proposal must be Hardbound or softbound or spiral bound.
- d. Material deficiencies in providing the information requested may result in rejection of a proposal.

## 2.16 Technical Proposal Format and Content

2.16.1 Tender submission shall be strictly as per tender norms of the Government of Tamil Nadu. Applicants are required to submit a Full Technical Proposal (FTP). The Data Sheet indicates the format of the Technical Proposal to be submitted. Submission of the wrong type of Technical Proposal will result in the Proposal being deemed nonresponsive.

2.16.2 The Technical Proposal shall provide the information indicated in the following Cl. from (a) to (d) using the attached Standard Forms (Section 4) on a page. A page is considered to be one printed side of A4 or letter size paper.

- a. A brief description of the Applicant's organization and an outline of recent experience of the Applicant and, in the case of consortium, for each partner, assignments of a similar nature is required in FORM TECH-2: APPLICANT'S ORGANISATION AND EXPERIENCE of Section 4. For each assignment, the outline should indicate the names of Sub-Contractors/ Professional staff who participated, duration of the assignment, contract amount, and Applicant's involvement. Information should be provided only for those assignments for which the Applicant was legally contracted by the client. Assignments completed by individual Professional staff working privately or through other Applicant firms cannot be claimed as the experience of the Applicant, or that of the Applicants associates, but can be claimed by

the Professional staff themselves in their CVs. Applicants should be prepared to substantiate the claimed experience if so requested by TTDC

b. Details of concept and description of work methodology/ work plan by which the bidder proposes to execute the work in FORM TECH-4: DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN including:

- Proposed Technologies/equipment for all the components of the project
- Project layout plan
  - General layout plan for the entire area.
  - Site utilization plan for the entire area along with proposed area for each project component.
- Components and Design plan
  - Components proposed
  - Capacity of each of the components.
  - Design features, specifications and drawings including capacity details.
  - Pictorial formations show themes and elevations.
- Technology features of Equipment Required.
  - Electrical and Mechanical systems.
  - Comprehensive Technology features with upgradability and flexibility.
  - Communication systems.
- Safety Measures and fire-alarm system.
  - A safety plan/ emergency plan with a framework for emergency management activities to reduce the impacts of emergencies and disasters; reduce vulnerability to emergencies and disasters.
  - An emergency plan usually includes necessary procedures during a crisis, a clear set of roles and responsibilities and established instructions for local emergency response and recovery bodies.
- Proposed Management and Technical Team.
  - Management team during construction and operations.
  - People consisting of the management team.
  - Their capability and management expertise.
  - Technical Team during construction and operations.
  - Equipment and machinery supplier.
  - Other personnel involved.
  - A project completion schedule.

- c. CVs of the Professional staff signed by the staff themselves and by the authorized representative of the Professional Staff (FORM TECH-6: CURRICULUM VITAE (CV) FOR PROFESSIONAL STAFF)
- d. The Technical Proposal shall not include any financial information. A Technical Proposal containing financial information may be declared as non-responsive.

#### 2.17 Financial Proposal

2.17.1 Detailed Price bid should be placed in separate sealed envelope as per **FIN FORM-12: FINANCIAL QUOTE**

2.17.2 TTDC shall not allow payment of any commissions and gratuities under this assignment.

2.17.3 While submitting the Financial Proposal, the Applicants shall ensure the following:

- a. All the costs associated with the assignment shall be included in the Financial Proposal. These shall normally cover remuneration for all the Personnel (Expatriate and resident, in the field, home office etc.), printing of documents, surveys etc.
- b. The financial quote indicated in the Financial Proposal shall be without any condition attached or subject to any assumption and shall be final and binding.
- c. In case any assumption or condition is indicated in the Financial Proposal, it shall be considered non-responsive and liable to be rejected.
- d. Further, all payments shall be subject to deduction of taxes at source as per Applicable Laws.

2.17.4 Concessional rate of the Goods and Services Tax (GST)– Not Applicable

2.17.5 Goods and Services Tax (GST) Registration and addition of GST in bills:

“The Bidder should be required to indicate their GST registration number under the Goods and Services Tax (GST) Act 2017 in the tender form. The Central Goods and Services Tax (CGST) Act 2017, the Integrated Goods and Services (IGST) Act 2017 and the Tamil Nadu Goods and Services (TNGST) Act 2017 have been enacted and enforced from 01.07.2017. Under the new tax regime, GST (comprising CGST, SGST and IGST) as per the Tamil Nadu Goods and Services (TNGST) Act 2017, with effect from 01.07.2017.

2.17.6 For every Bill, GST (18%- as applicable for comprehensive contract) will be paid to the Bidder by the Employer. After the payments including GST, the Bidder should pay the GST Amount to Government through his GST Registration No. to the Employer.

## 2.18 Sealing and Marking of Proposal

2.18.1 Tender submission shall be strictly tender norms of the Government of Tamil Nadu. The bidder should duly submit the required documents along with supporting documents. The hard copy of the technical documents and bid is to be submitted in sealed envelope and super scribed “Response to Response for Proposal for Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning of the Sound & Light, 3D projection mapping/ laser show at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu” the top right-hand corner and addressed to: The Managing Director, Tamil Nadu Tourism Development Corporation Ltd., Tamil Nadu.

2.18.2 The bidders should not submit hard copy of their financial bid inside the Technical Proposal envelope. The hard copy of financial bid shall be submitted in a separate sealed envelope as per 1.18.2.2 of the RFP. The Bidder shall submit a pen-drive/USB-drive containing a soft copy of their Technical Proposal in the sealed envelope “Technical Proposal” as per 2.18.1 of the RFP. The Applicants shall prepare and submit:

2.18.3 1 (one) Technical Proposal duly marking “Original” and shall be labeled as: TECHNICAL PROPOSAL for “Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D projection / Laser mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu”. Contents of Envelope shall be as follows:

Form TECH-1. Technical Proposal Submission Form

Form TECH-2. Applicant’s Organization and Experience

Form TCH-3. Comments and Suggestions on the Terms of Reference

Form TECH-4. Description of Approach, Methodology and Work Plan for Performing the Assignment

Form TECH-5. Key Personnel and Task Assignments

Form TECH-6. Curriculum Vitae (CV) for Proposed Professional Staff

Form TECH-7. Work Schedule

Form TECH-8. Format for Power of Attorney for Lead member of Consortium/ JV

Form TECH-9: Format for Power of Attorney for Authorized Signatory

Form TECH-10: Format for the MOU of the Consortium.

Form TECH-11: Detailed unpriced Bill of Quantity (BOQ) along with all complete technical details of fixtures including brands, model numbers, power ratings, weather ratings etc. Price bid should be placed in separate sealed envelope.

2.18.4 One (1) Financial Bid duly marking “Original” and shall be labeled as: FINANCIAL PROPOSAL for “Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D projection/ Laser mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu”. Contents of Envelope shall be as follows:

- a. FIN FORM-12: FINANCIAL QUOTE- Financial Bid with lump sum price excluding GST.
- b. The envelope shall indicate the complete name, address, telephone number (with city code) and email address of the Applicant.
- c. The envelope shall be addressed to the Client as mentioned in the Proposal Data Sheet.
- d. All pages of the technical and financial proposal shall bear the initials of authorized signatory.
- e. The applicant shall provide the signature of Authorized signatory on all pages of the RFP and Corrigendum (if any) thereby providing acknowledgment of respective documents.

## 2.19 Proposal Evaluation

From the time of opening of the Proposals till the time of award of the Contract, the Applicants should not contact TTDC on any matter related to its Technical and/or Financial Proposal. Any effort by Applicants to influence TTDC in the examination, evaluation, ranking of proposals, and recommendation for award of contract may result in the rejection of the applicants' proposal.

### 2.19.1 Evaluation of Technical Proposal:

- a. The applicant may be asked in writing (usually within 10 (ten) days of opening of the Technical Bid) to clarify his technical bid or to submit supporting documents, if necessary, with respect to any rectifiable defects.
- b. The Bidders will respond in not more than 5 (five) days of issue of the clarification letter/email.
- c. On receipt of these clarifications, the Evaluation Committee / Procurement Entity will proceed to evaluate the Technical Bids
- d. The evaluation committee shall evaluate the Technical Proposals based on their responsiveness to the Terms of Reference, applying the evaluation criteria, sub-criteria, and point system specified in the Data Sheet. Each responsive Proposal will be given a technical score (St). A Proposal shall be rejected at this stage if it does not respond to important aspects of the RFP document, and particularly the Terms of Reference or if it fails to achieve the minimum technical score indicated in RFP document.

- e. Technical evaluation will also take into account presentations given by the Applicants on their technical proposal. The applicant has the liberty to conceive the project at their own ideas, keeping in mind that shall match with the international standard. They must visit the site before the presentation. The presentation must be supported with simulated visuals or at least 60 seconds in duration which will be evaluated by a constituted committee.
- f. In the first stage, the Technical Proposal will be evaluated on the basis of Applicant's experience, presentation on its understanding of TOR, proposed methodology and Work Plan, and the experience of Key Personnel. Only those Applicants whose Technical Proposals get a score of **70 (seventy) marks or more** out of 100 (one hundred) shall qualify for further consideration and shall be ranked from highest to the lowest on the basis of their technical score (ST).

### 2.19.2 Shortlisting of Applicants:

- a. After the technical evaluation, the Authority shall prepare a list of qualified Applicants for opening their Financial Proposals. If the number of qualified Applicants is less than two, the Authority may in its sole discretion, qualify the Applicant(s) whose technical score is less than 70 (seventy), the minimum prescribed, so that at least two Applicants compete for the assignment.
- b. A date, time and venue will be notified to all qualified Applicants for announcing the result of evaluation and opening of Financial Proposals. Before opening of the Financial Proposals, the list of qualified and shortlisted Applicants along with their Technical Score will be read out. The opening of Financial Proposals shall be done in presence of respective representatives of Applicants who choose to be present.
- c. The Authority will not entertain any query or clarification from Applicants who fail to qualify at any stage of the Selection Process.

### 2.19.3 Financial Proposal Evaluation:

In the second stage, the financial evaluation will be carried out. Each Financial Proposal will be assigned a financial score (SF).

- a. For financial evaluation, the total cost indicated in the Financial Proposal as such in FIN FORM-12: FINANCIAL QUOTE shall be considered
- b. TTDC will determine whether the Financial Proposals are complete, unqualified and unconditional. The cost indicated in the Financial Proposal shall be deemed as final and reflecting the total cost of services. Omissions, if any, in costing any item shall not entitle the firm to be compensated and the liability to fulfil its obligations as per the TOR within the total quoted price shall be that of the Consultant.
- c. Operations and Maintenance price must be quoted for every year for a total period of 5 years. The Operations and Maintenance price will be calculated to current prices as per NPV formula with 10% discounted rate.
- d. The lowest Financial Proposal (FM) will be given a financial score (SF) of 100 points. The financial scores of other Proposals will be computed as follows:

$$SF = 100 \times FM/F$$

(F = amount of Financial Proposal)

#### 2.19.4 Combined Evaluation:

Proposals will finally be ranked according to their combined technical (ST) and financial (SF) scores as follows:

$$S = ST \times Tw + SF \times Fw$$

Where S is the combined score, and Tw and Fw are weights assigned to Technical Proposal and Financial Proposal, which shall be 0.70 and 0.30 respectively.

The Selected Applicant shall be the first ranked Applicant (having the highest combined score). The second ranked Applicant shall be kept in reserve and may be invited for negotiations in case the first ranked Applicant withdraws or fails to comply with the requirements specified in this RFP.

#### 2.20 Negotiation

- a. Negotiations will be held at the address indicated in the Data Sheet. The invited applicant will, as a pre-requisite for attendance at the negotiations, confirm availability of all professional staff. Failure in satisfying such requirements may result in TTDC proceeding to negotiate with the next-ranked applicant. Representatives conducting negotiations on behalf of the Applicant must have written authority to negotiate and conclude a Contract.
- b. **Technical Negotiations:** Negotiations will include a discussion of the Technical Proposal, the proposed technical approach and methodology, work plan, and organization and staffing, and any suggestions made by the Applicant to improve the Terms of Reference. TTDC and the Applicant will finalize the Terms of Reference, staffing schedule, work schedule, logistics, and reporting. These documents will then be incorporated in the Contract as “Description of Services”. Special attention will be paid to clearly defining the inputs and facilities required from TTDC to ensure satisfactory Installation, Commissioning of the assignment. TTDC shall prepare minutes of negotiations which will be signed by TTDC and the selected Applicant.
- c. **Availability of professional staff / experts:** Having selected the Applicant on the basis of, among other things including an evaluation of proposed Professional staff, TTDC will require assurances that the professional staff will be available for the execution of the Project. TTDC will not consider any substitutions of key professional staff during contract negotiations unless both parties agree that undue delay in the Public Procurement process makes such substitution unavoidable or for reasons such as death or medical incapacity. If this is not the case and if it is established that professional staff were offered in the proposal without confirming their availability, the selected Applicant may be disqualified. Any proposed substitute shall have equivalent or better qualifications and experience than the original candidate and be submitted by the Applicant within the period of time specified in the letter of invitation to negotiate.
- d. **Conclusion of the negotiations:** Negotiations will conclude with a review of the draft Contract. To complete negotiations TTDC and the selected Applicant will initial the agreed Contract. If negotiations fail, TTDC will invite the Applicant whose Proposal received the second lowest price to negotiate a contract or to cancel the bidding process at any stage.

## 2.21 Award of Contract

- a. After completing the negotiations, TTDC shall award the Contract to the selected Applicant. The Notice of Award shall be given to the Applicant who shall score the highest combined score (Technical and Financial) during the evaluation of the proposal. The representative of the Applicant may choose to be present during the issuance of the Notice of Award.
- b. If the selected Applicant fails to execute a contract with the Client within 30 business days from the Notice of Award, the Client may elect to cancel the selection and award to the next lowest priced Applicant.
- c. The Client reserves the right to contract for all or a partial list of services offered in the proposal. The RFP and the selected Applicant's proposal will become part of the contract between the Client and the selected Applicant.
- d. The selected Applicant is expected to commence work as soon as the contract has been signed.

## 2.22 Confidentiality

Information relating to the examination, clarification, evaluation, and recommendation for the selection of Applicants shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional adviser advising the TTDC in relation to matters arising out of, or concerning the Public Procurement Process. The TTDC shall treat all information, submitted as part of the Proposal, in confidence and shall require all those who have access to such material to treat the same in confidence. The TTDC may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or to enforce or assert any right or privilege of the statutory entity and/or the TTDC or as may be required by law or in connection with any legal process.

## 2.23 Liquidated Damages for Delay

The Contractor shall be liable to pay liquidated damages at the rate of 0.10% of the Bid Price for delay of each day reckoned from the date of scheduled period for completion/ Scheduled Project Commissioning Date as detailed in the Contract Agreement. The total liquidated damages of delay shall be subject to an overall maximum of 15% of the Bid Price. In case, the Contractor is not able to perform as per the satisfaction of the Authority or in case of inordinate delay, TTDC reserves the right to terminate the Contract Agreement and the Contractor shall be liable to compensate for the losses.

## 2.24 Penalties

In case at any time during O&M Period, the show is not operative due the reasons attributable to Contractor, a penalty equivalent to average daily sale of last six months of the Show or minimum INR 5,000/- per day, whichever is higher, shall be levied. In case of continuous disruption of show for more than 15 days for the reasons attributable to the Contractor, TTDC has right to take appropriate action including termination of the Contract Agreement.

## 2.25 Handing Over the Project

Upon expiry of the O&M Period by efflux of time or prior termination of the Contract Agreement, the Contractor shall handover the Project along with all Project Assets in good working & running

condition to the Authority. Upon expiry of initial O&M Period of 5 (Five) years, the O&M period may be extended for another period of 1 (one) year subject to mutually agreeable terms between the Authority and the Selected Bidder/Contractor.

### 3 Section-3: Data Sheet

Table 1: Data Sheet

S.No.	Clause / reference	Details
1	Contact Details	The name of TTDC's officials: The Project Engineer, Tamil Nadu Tourism Development Corporation Tourism Complex, 2 Wallajah Road, Tamil Nadu 600 002, India
2	2.2Background	The TTDC will provide the following inputs and facilities: (1) Area earmarked by the TTDC for the Assignment (2) Permissions for access to the site and installation of sound and 3D projection mapping/ laser show (3) Broad details of the proposed project as conceived by the TTDC
3	2.8Proposal Validity	Proposals must remain valid for 180 (One Hundred & Eighty) days after the submission date
4	2.13 Clarifications	Clarifications may be requested not later than 2 days before the Pre-Proposal Conference. The address for requesting clarifications is: Tamil Nadu Tourism Development Corporation (TTDC) Ltd. 2 Wallajah Road, Tamil Nadu - 600 002, India Email: pe.ttdc@gmail.com Phone: 044-2533 3555
5	2.14EMD	The Earnest Money Deposit shall be valid for a period of 45 (forty-five) days beyond the Proposal Validity Period.
5	2.18 Submission Address	The Proposal submission address is: The Project Engineer, Tamil Nadu Tourism Development Corporation Tourism Complex, 2 Wallajah Road, Tamil Nadu 600 002, India
6	31.05.2022	The proposal submission date as per NIT.
7	Performance Bank Guarantee	The Successful Applicant shall furnish Performance Security equivalent to 5% of the lumpsum bid proposed for the tender in the form of Bank Guarantee from a Nationalized bank/scheduled bank in favour of "Tamil Nadu Tourism Development Corporation Ltd." payable at Tamil Nadu.

#### 3.1 Evaluation Criteria

Applicants will be qualified on the minimum eligibility criteria mentioned in the clause 2.9 of this RFP document. Shortlisted applicants shall then be evaluated as per below.

### 3.2 Key Personnel:

The Applicant shall offer and make available all Key Personnel meeting the requirements of the Assignment. Before deploying any Key Personnel, the Applicant shall ensure that each Key Personnel is employed and/ or otherwise deployed for the Assignment strictly in compliance with the applicable laws including the rules, regulations etc. of the concerned professional bodies regulating the professions of the Key Personnel in India. The Applicant shall not deploy any Key Personnel in violation of the applicable laws.

#### 3.2.1 List of Key Personnel

The Consultancy Team shall consist of the Professional Staff (the “Key Personnel”) who shall discharge their respective responsibilities as specified below during the two stages as mentioned in the TOR-Section 6:

S.No.	Designation	Role
1	Team leader / project head	<ul style="list-style-type: none"> <li>Coordinate the inputs of his Project Team towards successful delivery of the Project.</li> <li>Participate in discussions with the Client on regular basis.</li> <li>Communicate the progress and constraints, if any, to the Client for resolution of issues.</li> <li>Ensure timely delivery of the deliverables under this Project.</li> </ul>
2	Creative Director/ Script/ content writer / director	<ul style="list-style-type: none"> <li>Responsible for timely delivery of Conceptual and narration of the Project.</li> <li>Act as the creative lead on the project</li> <li>Responsible for firming up the creation of story line, theme, editorial and all creative supervision</li> </ul>
3	Animation/ 2D-3D Content Specialist	<ul style="list-style-type: none"> <li>Animators are responsible for 2D, 3D model-making, stop-frame, or computer-generated animation.</li> <li>Responsible for all the post-production</li> <li>Responsible for trial runs and the installation and commissioning of the Sound &amp; 3D projection mapping/ laser show</li> </ul>
4	Lighting Specialist	<ul style="list-style-type: none"> <li>Responsible for timely delivery of Conceptual and Technical Design of the Project.</li> <li>Responsible for firming up the Technical Specifications &amp; Cost</li> <li>Responsible for Installation and Commissioning of the system</li> </ul>
5	Music Director/ Composer	<ul style="list-style-type: none"> <li>Responsible for creation of original music, background score, sound effects, etc., as per the requirements of the show.</li> <li>Responsible for timely delivery of Conceptual and Technical Design of the Project.</li> <li>Responsible for firming up the Technical Specifications.</li> </ul>
6	3D Mapping Specialist	<ul style="list-style-type: none"> <li>Responsible for undertaking 3D Mapping Projection Show &amp; Visual Design of the Content</li> <li>Responsible for setting the multi projector environment on site and blending all projectors to form a single image</li> <li>Responsible for synchronizing light and sound effects to the show</li> </ul>

		<ul style="list-style-type: none"> <li>Responsible for the final programming of the show.</li> </ul>
7	Civil Engineer	<ul style="list-style-type: none"> <li>Responsible for timely delivery of all civil/structural work of the Project.</li> <li>Responsible for firming up the Technical Specifications &amp; Cost</li> <li>Responsible for Installation and Commissioning of the system</li> </ul>
8	Electrical & AV Engineer	<ul style="list-style-type: none"> <li>Responsible for timely delivery of Conceptual and Technical Design of the Project.</li> <li>Responsible for firming up the Technical Specifications &amp; Cost</li> <li>Responsible for Installation and Commissioning of the system</li> </ul>

Each of the Key Personnel must fulfil the following Conditions:

S.No.	Designation	Minimum Professional Experience	Experience in Projects
1	Team Leader /Project Head	10 (Years) After Bachelors Degree	Should have led the team in at least one Eligible Project (as defined in Clause 3.4.1).
2	Creative Director/Script/content writer/director	10 (Years) After Bachelors Degree	Should have undertaken similar script / content writing by an eminent person (as defined in Clause 3.4.1).
3	Animation/ 3D Content Specialist	5 (Years) After Bachelors Degree	Should have undertaken one Eligible Project (as defined in Clause 3.4.1).
4	Lighting Specialist	5 (Years) After Bachelors Degree	Should have undertaken one Eligible Project (as defined in Clause 3.4.1).
5	Music Director/Composer	5 (Years) After Bachelors Degree	Should have undertaken one Eligible Project (as defined in Clause 3.4.1).
6	3D Mapping Specialist	5 (Years) After Bachelors Degree	Should have undertaken one such Eligible Project (as defined in Clause 3.4.1)
7	Civil Engineer	5 (Years) After Bachelors Degree	Should have undertaken one such Eligible Project (as defined in Clause 3.4.1)
8	Electrical & AV Engineer	5 (Years) After Bachelors Degree	Should have undertaken One such Eligible Project (as defined in Clause 3.4.1)

### 3.2.2 Availability of Key Personnel:

The Applicant shall offer and make available all Key Personnel meeting the requirements of the Assignment. Before deploying any Key Personnel, the Applicant shall ensure that each Key Personnel is employed and/ or otherwise deployed for the Assignment strictly in compliance with the applicable laws including the rules, regulations etc. of the concerned professional bodies regulating the professions of the Key Personnel in India. The Applicant shall not deploy any Key Personnel in violation of the applicable laws.

### 3.2.3 Certificates in support of Applicant's capabilities

- The Applicant shall enclose with its Proposal, certificate(s) from its Chartered Accountants stating it's for three Financial Years prior to the Proposal Due Date. The Balance Sheets for

the three continuous financial years submitted as a part of the proposal should be audited/certified by the statutory auditor of the Applicant or by any practicing Chartered Accountant.

- b. The Applicant shall also produce authentic and valid certificates from the clients, establishing their experience in Eligible assignments. The TTDC may, at its own discretion, verify the veracity and validity of the certificates produced by the Applicant.
- c. If it is established that the Applicant has produced certificates which are not correct and valid and the Applicant has misled the TTDC, TTDC at its discretion reject the proposal submitted by the Applicant and also debar the Applicant from participating in the bidding processes taken up by the TTDC for appointing the Contractor, for a period of three (3) years.

### 3.3 Past Performance

- a. The Applicant or its Associate, who during the last five years, either failed to perform its obligations under any Agreement as evidenced by imposition of a penalty by an arbitral, judicial, statutory / public sector organization, Government of India, State Governments, etc., shall be treated as non-responsive and its technical and financial proposals shall be outright rejected by the TTDC, at its sole discretion.
- b. The Applicant while making a proposal to TTDC shall provide all such information relating to the imposition of penalties, non-performance of contract, debarring by any Government or Statutory Organization along with its technical proposal.
- c. TTDC at its own discretion may collect and verify such information. If TTDC finds that the Applicant has not provided such information and has tried to mislead TTDC, it may reject the Applicant’s proposal as non-responsive.

#### 3.3.1 Information relating to barring of business by Governmental Organizations (FORM TECH 2G:DECLARATION BY APPLICANT REGARDING BLACKLISTING)

Any Applicant who has been debarred by the Central Government, any of the State Governments, a statutory or a public sector undertaking, TTDC or any other Tamil Nadu State Undertaking from participating in any project, and such bar subsists as on the due date of Proposal, would not be eligible to submit a Proposal either by itself or through its Associate. If any such proposal from debarred Applicant is received, the same shall be out right rejected without further evaluation.

### 3.4 Criteria and Scoring system for evaluation:

Item Code	Parameter	Max Marks	Remarks
1	<p>Presentation (evaluation committee to be setup by TTDC).</p> <p>The submission of presentation is not required as part of the bid proposal.</p>	45	<p>Applicants have the liberty to conceive the project at their own ideas, keeping in mind it shall match with the international standards without violating the sanctity of the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu.</p> <p>Eligible Applicants shall make a technical presentation before the evaluating committee and the committee will award the marks based on the following particulars,</p> <ul style="list-style-type: none"> <li>• Demonstration of their past projects through visuals / videos in 3D projection mapping experience <b>(Max. 10 marks)</b>.</li> </ul>

Item Code	Parameter	Max Marks	Remarks				
			<ul style="list-style-type: none"> <li>Approach and methodology (<b>Max. 20 marks</b>),</li> <li>Proposed concept with 60 second mockup (<b>Max. 15 marks</b>)</li> </ul>				
2	Efficiency of the proposed layout and the operational aspects of the show	10	<p>Applicants to provide the tentative layout, proposed Operation &amp; Maintenance processes.</p> <p>These details shall be submitted as part of the technical bid in Form Tech- 4</p>				
3	Key personnel	15	<p>Team Leader /Project Head – (2 marks)</p> <p>Script/ content writer/ director – (2 marks)</p> <p>Animation/ 3D Content Specialist – (2 marks)</p> <p>Lighting Specialist – (1 mark)</p> <p>Sound Specialist - (2 marks)</p> <p>Mapping Specialist – (2 marks)</p> <p>Civil Engineer: (2 marks)</p> <p>Electrical: (1 mark)</p> <p>AV Engineer: (1 mark)</p> <p><i>Total 0.5 mark for educational qualification, 0.5 mark each for every eligible project as per clause 3.4.1</i></p>				
4	<p>Previous experience of the applicant in Eligible Projects <i>as per clause 3.4.1</i></p> <p>(In case of a consortium, the experience of all members of the consortium will be considered).</p>	20	<p>The following previous experience of the applicant will be considered for evaluation:</p> <p>Installations requiring design, supply, installation, commissioning for sound &amp; 3D projection mapping/ laser show with animation technology for places and buildings of heritage and cultural importance where the applicant has provided permanent outdoor installations of audio, video and lighting systems installed in creative themes carried out either directly or as a member of consortium.</p> <p><i>Format as per Form Tech 2 (f) and Form Tech 2(i).</i></p> <p><i>Recorded Video of the project (show) to be submitted in pen-drive/USB-drive as part of the soft copy submission of Technical Proposal.</i></p> <table border="1" data-bbox="756 1715 1453 2022"> <thead> <tr> <th>Previous experience</th> <th>Max Marks</th> </tr> </thead> <tbody> <tr> <td> <p>Minimum 2 (two) Eligible Projects. 5 marks per Project with following scoring per project:</p> <p>a. Projection Complexity: 1 Mark</p> <p>b. Projector Lens details: 1 Mark</p> </td> <td>10</td> </tr> </tbody> </table>	Previous experience	Max Marks	<p>Minimum 2 (two) Eligible Projects. 5 marks per Project with following scoring per project:</p> <p>a. Projection Complexity: 1 Mark</p> <p>b. Projector Lens details: 1 Mark</p>	10
Previous experience	Max Marks						
<p>Minimum 2 (two) Eligible Projects. 5 marks per Project with following scoring per project:</p> <p>a. Projection Complexity: 1 Mark</p> <p>b. Projector Lens details: 1 Mark</p>	10						

Item Code	Parameter	Max Marks	Remarks											
			c. Installed Audio distribution: 1 mark d. Civil Structure Stability report: 1 Mark e. Mounting Details: 1 Mark											
			For every Additional assignment, 5 (five) marks shall be provided up to a maximum of 10 (Ten) marks	10										
5	<p>Previous experience of the applicant in Operations and Maintenance of similar projects</p> <p>(In case of a consortium, the experience of all members of the consortium will be considered).</p>	10	<p>The following previous experience of the applicant will be considered for evaluation:</p> <p>Operations and maintenance for a minimum of 1 (One) years of; Sound &amp; 3D projection mapping/ laser show with animation technology for places and buildings of heritage and cultural importance where the applicant has provided permanent outdoor installations of audio, video and lighting systems installed in creative themes carried out either directly or as a member of consortium.</p> <p><i>Format as per Form Tech 2 (f)</i></p> <table border="1"> <thead> <tr> <th colspan="4">Previous experience</th> <th>Marks obtained</th> </tr> </thead> <tbody> <tr> <td>Minimum</td> <td>2</td> <td>(two)</td> <td>Eligible assignments</td> <td>10</td> </tr> </tbody> </table>		Previous experience				Marks obtained	Minimum	2	(two)	Eligible assignments	10
Previous experience				Marks obtained										
Minimum	2	(two)	Eligible assignments	10										

### 3.4.1 Eligible Assignments

- a. In case the Applicant was a member of the joint venture / consortium while executing a project, the applicant should have received payments from the client of at least 30% of the overall project cost value for each such project to qualify as eligible assignments required under the evaluation criteria as per clause 3.4 – Item 4.
- b. Eligible Assignment means **installations requiring design, supply, installation, testing and commissioning for sound & 3D projection mapping/ laser/ light / multimedia shows with animation technology for statues, places and buildings of heritage and cultural importance where the applicant has provided installations of audio, video, and lighting systems with Operation and Maintenance.**
  - a. All projects where the contractual commitments (SITC and /Or O&M) have been completed in the last 5 years (after Jan 2016). The project should be currently operational or should have been completed and operational for at least 1year, after which the project was handed over to client in good working condition fulfilling all contractual commitments. (If the project operations have been temporarily halted due to Covid-19 restrictions, relevant supporting

documentation/Government Order/Notifications etc. must be furnished by the applicant.)

- b. The project cost, as certified by the client/authority, should be at least INR 4.5 crores or more.

## 4 SECTION-4: TECHNICAL PROPOSAL

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### 4.1 FORM TECH-1: TECHNICAL PROPOSAL SUBMISSION FORM

(On the letterhead of the Applicant i.e., sole bidder or lead member of the applicant)

[Location, Date]

To:

The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
Wallajah Road,  
Tamil Nadu 600 002, India

**Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D projection / Laser mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu**

Dear Sir,

With reference to your Request for Proposal dated \_\_\_\_\_, I/we, have examined all relevant documents and understood their contents, hereby submits our Technical and Financial Proposal for Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the advance visual Laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at Thiruvalluvar Statue, Kanyakumari, Tamil Nadu.

1. We state that our proposal is unconditional.
2. All information provided in the Proposal and in the Appendices is true and correct and all documents accompanying such proposal are true copies of their respective originals. This statement is made for the express purpose of appointment as the contractor for the aforesaid assignment.
3. I/ We shall make available to the TTDC any additional information it may deem necessary or require for supplementing or authenticating the Proposal.
4. I/We acknowledge the right of the TTDC to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
5. I/We certify that in the last three years, we or any of our Associates have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Applicant nor been

expelled from any project or contract by any public authority nor have had any contract terminated by any public authority for breach on our part.

6. I/We declare that:
7. I/We have examined and have no reservations to the RFP Documents, including any Addendum issued by the TTDC.
8. I/We do not have any conflict of interest in accordance with the prescriptions in the RFP Document.
9. I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice, as defined in RFP document, in respect of any tender or request for proposal issued by or any agreement entered with the TTDC or any other public sector enterprise or any government, Central or State; and
10. I/We hereby certify that we have taken steps to ensure that in conformity with the provisions of the RFP, no person acting for us or on our behalf will engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice.
11. I/We understand that you may cancel the Public Procurement Process at any time and that you are neither bound to accept any Proposal that you may receive nor to select the Contractor, without incurring any liability to the Applicant in accordance with the RFP document.
12. I/We declare that we are not a Member of any Consortium applying for Selection as Contractor.
13. I/We certify that in regard to matters other than security and integrity of the country, we or any of our Associates have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory TTDC which would cast a doubt on our ability to undertake the Assignment or which relates to a grave offence that outrages the moral sense of the community.
14. I/We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates
15. I/We further certify that no investigation by a regulatory authority is pending either against us or against our Associates or against our CEO or any of our Directors/Managers/employees.
16. I/We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the TTDC [and/ or the Government of India] in connection with the selection of Contractor or in connection with the Public Procurement Process itself in respect of the above-mentioned Project.
17. I/We agree and understand that the proposal is subject to the provisions of the RFP document. In no case, shall I/we have any claim or right of whatsoever nature if the Assignment is not awarded to me/us or our proposal is not opened or rejected.

18. I/We agree to keep this offer valid for 180 (One Hundred Eighty Days) days from the Proposal Due Date specified in the RFP.
19. A Power of Attorney in favour of the authorized signatory to sign and submit this Proposal and documents is attached herewith.
20. In the event of my/our firm/ consortium being selected as the Contractor, I/we agree to enter into an Agreement in accordance with the form which shall be provided by Client. We agree not to seek any changes in the aforesaid form and agree to abide by the same.
21. I/We have studied RFP and all other documents carefully and surveyed the Project site. We understand that except to the extent as expressly set forth in the RFP, we shall have no claim, right or title arising out of any documents or information provided to us by the TTDC or in respect of any matter arising out of or concerning or relating to the Public Procurement Process including the award of works.
22. The Financial Proposal is being submitted in a separate cover. This Technical Proposal read with the Financial Proposal shall constitute the Application which shall be binding on us.
23. I/We agree and undertake to abide by all the terms and conditions of the RFP Document. In witness thereof, I/we submit this Proposal under and in accordance with the terms of the RFP Document

Yours sincerely,

Authorized Signature [In full and initials]: \_\_\_\_\_

Name and Title of Signatory:

Name of Firm:

Address:

#### 4.2 FORM TECH-2: APPLICANT'S ORGANISATION AND EXPERIENCE

(in case of a consortium, please provide details of all members of the consortium)

a. Title of Project:

Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

b. State the Status of the Applicant's Organization namely Public Limited Company/ Private Limited Company/ Partnership Firm/ Proprietary Firm, etc.

c. State the following:

- Name of Company or Firm:
- Country of incorporation:
- Registered address:
- Year of Incorporation:
- Year of commencement of business:
- Principal place of business:
- Brief description of the Company including details of its main lines of business Details of authorized signatory of the Applicant:
  - Name:
  - Designation:
  - Company:
  - Address:
  - Phone No.:
  - Fax No.:
  - E-mail address:

**FORM TECH 2D:Financial Capacity of the applicant**

(in case of a consortium, please provide details of all members of the consortium)

S.No.	Financial year	Annual Turnover	Turnover Year Considered (Kindly Tick <input checked="" type="checkbox"/> Relevant)
1	2021-22		
2	2020-21		
3	2019-20		
4	2018-19		
5	2017-18		
<b>Annual Average Turnover (Any 3 of last 5 years)</b>			

Certificate from the Statutory Auditor

This is to certify that (name of the Applicant) has Annual Turnover stated as in the above table.

Name of the audit firm:

Seal of the audit firm:

Date:

(Signature, name, and designation of the authorized signatory with seal)

## FORM TECH 2E:Statement of Legal Capacity

(To be on the letter head of the applicant or lead member of the applicant in case of consortium)

Ref. Date:

The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
Wallajah Road,  
Tamil Nadu 600 002, India

Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

Dear Sir,

I/We hereby confirm that we, the applicant satisfy the terms and conditions laid down in the RFP document.

I/We hereby declare that M/s (insert applicant's name / lead bidder's name) will act as Contractor by ourselves and we will not associate with any other Applicant for the purpose of the subject assignment except with prior approval of TTDC.

I/We have agreed that (insert individual's name / lead bidder's name) will act as our Authorized Representative on our behalf and has been duly authorized to submit our Proposal. Further, the authorized signatory is vested with requisite powers to furnish such proposal and all other documents, information or communication and authenticate the same.

Yours faithfully,

For and on behalf of \_\_\_\_\_

(Signature, name, and designation of the authorized signatory)

## FORM TECH 2F:Applicant's Experience in Previous Works

(In case of a consortium, the experience of all the members of Consortium will be considered):

S. No	Name of the Project	Name of the Client with address and contact numbers	Date of award of assignment	Date of completion of assignment	Estimated capital cost of Project (in Rs. Crore)	Period of O&M provided for the Project	Description of Service provided by the Applicant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1							
2							
3							
4							

Certificate from the Statutory Auditor

This is to certify that the information contained in Column 7 and 8 above is correct as per the accounts of the applicant and/ or the clients.

Name of the audit firm:

Seal of the audit firm:

Date:

(Signature, name, and designation of the authorized signatory with seal)

In case the Applicant does not have a statutory auditor, it shall provide the certificate from its Chartered Accountant that ordinarily audits the annual accounts of the applicant.

Note: The Applicant may attach separate sheets to provide brief particulars of other relevant experience of the Applicant.

Certificate from the Client

In addition to the certificate from statutory auditor, Applicant can provide a certificate from the client providing following details:

- Name of the project
- Location of the project
- Start date
- Completion date
- Total cost of the project
- Fee paid for the Applicant
- Description of works undertaken by the Applicant

**FORM TECH 2G:DECLARATION BY APPLICANT REGARDING BLACKLISTING**

*(On Non-Judicial Stamp Paper of Rs. 20/- duly attested by the Notary Public)*

To,  
The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
Wallajah Road,  
Tamil Nadu 600 002, India

Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

I/We hereby declare that my/our company has not been debarred/blacklisted by any Central/State Government/Public Sector Undertaking/ Semi Government organizations in India. We further certify that I/We am/are authorized competent officer in my/our company to make this declaration.

In accordance with the above, we would like to declare that:

We have not been found guilty for offences under criminal laws or under any criminal proceedings in India that may have adverse effect on the delivery of services as required under this assignment.

The information provided in the EOI document is true to the best of my/our knowledge and declare that there is no false representations.

Yours faithfully,

(Signature, name and designation of the authorized signatory)

(Name and seal of the Applicant)

**FORM TECH 2H:Manufacturer's Authorization Form (MAF)**

*(To be submitted in OEM Letterhead at the time of submission of Bid for all items comprising of guarantees and warranties for the Solution, Products and services offered)*

[Location, Date]

To:

The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
Wallajah Road,  
Tamil Nadu 600 002, India

**Sub:** Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu - OEM Authorization Letter

Dear Sir,

We \_\_\_\_\_ who are established and reputable manufacturers /producers of \_\_\_\_\_ having factories / development facilities at \_\_\_\_\_ (*address of factory /facility*) do hereby authorize \_\_\_\_\_ (*Name and address of Applicant/Bidder*) to submit a Bid, and sign the contract with you against the above Bid Invitation.

We hereby extend our full guarantee and warranty for the Solution, Products and services offered by the above firm against this Bid Invitation.

We also undertake to provide any or all of the following materials, notifications, and information pertaining to the Products manufactured or distributed by the Supplier.

Such Products as Department (TTDC) may opt to purchase from the Supplier, provided, that this option shall not relieve the Supplier of any warranty obligations under the Contract; and

We duly authorize the said firm to act on our behalf in fulfilling all installations, Technical support and maintenance obligations required by the contract.

Yours faithfully,

For and on behalf of \_\_\_\_\_

(Signature, name, and designation of the authorized signatory for OEM with seal)

For and on behalf of \_\_\_\_\_

(Signature, name, and designation of the authorized signatory with seal)

## FORM TECH 2I: Details of Eligible Projects

(Use a separate form per Project)

S.No.	Particulars	Details
1.	Project Name:	
2.	Project Description:	
3.	Client Details:	
4.	Location (City, State, Country)	
5.	Project Cost (INR Cr.)	
6.	Date of Award	
7.	Date of Completion	
8.	Period of O&M (in Months)	From:      To:      Total (in Months):
9.	Project Details (Scoring Criteria)	
	Projection Complexity	<i>Describe in up to 500 words the type of projection surface and the various challenges faced in mapping the projection surfaces and how it was overcome.</i>
	Projector Lens details:	<i>Provide details of the Lens used for the project. If no lens are used kindly fill as "Not Applicable"</i>
	Installed Audio distribution:	<i>A brief on installed Audio Distribution systems to be provided.</i>
	Civil Structure Stability report:	<i>Kindly Attach with this form</i>
	Mounting Details:	

Additionally, All Requisite documentation proof (*Work Order/Agreement, Completion Certificate, O&M Certificate*) and site photographs to be attached along with this form.

#### 4.3 FORM TECH-3: FORMAT FOR PRE-BID QUEREIS

- a) **On the Terms of Reference:** Present and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the assignment (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point and incorporated in your Proposal.
- b) Bidders shall submit their Prebid Queries in the format provided below.

Sr.	Reference in document (Clause No. with Page No.)	Existing Clause	Point for clarification/ suggestion
1.			

#### 4.4 FORM TECH-4: DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN

Technical approach, methodology and work plan are key components of the Technical Proposal.

You are suggested to present your Technical Proposal divided into the following three sections. This shall be limited to a maximum of 5 pages.

- a. **Technical Approach and Methodology:** In this chapter you should explain your understanding of the objectives of the assignment, approach, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. You should highlight the problems being addressed and their importance and explain the technical approach you would adopt to address them. You should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach. **Presentation shall be limited to a maximum of 15 slides and a duration of 45 mins (30 mins for presentation and 15 mins for review)**
- b. **Work Plan:** In this chapter you should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings, and tables to be delivered as final output, should be included here. The work plan should be consistent with the Work Schedule of Form TECH-7.
- c. **Organization and Staffing:** In this chapter you should propose the structure and composition of your team. You should list the main disciplines of the assignment, the key expert responsible, and proposed technical and support staff.
- d. **Efficiency of Layout and Operation and Maintenance Procedures:** In this chapter you should propose the following:
  - Tentative layout of complete system including placement of projectors, audio systems, control rooms, lighting.
  - Site Analysis including but not limited wind velocity, soil strength, moisture, salinity and sea mist assessment.
  - Operation and Maintenance procedures for tackling challenges of site accessibility, moisture, humidity, sea mist, tides etc.

4.5 **FORM TECH-5: KEY PERSONNEL & TASK ASSIGNMENTS**

KEY PERSONNEL					
Name of the Staff	Firm with	Employed	Area of Expertise	Position Assigned	Task Assigned

#### 4.6 FORM TECH-6: CURRICULUM VITAE (CV) FOR PROFESSIONAL STAFF

(All CVs shall be limited to a maximum of 4 pages as per the format provided below)

Format of Curriculum Vitae (CV) For Team Leader				
Insert Photo	<b>1.Name</b>			
	<b>2.Position</b>			
	<b>3.Date of Birth</b>			
	<b>4.Education</b>			
5. Employment Record	<b>From</b>	<b>To</b>	<b>Company</b>	<b>Position Held</b>
6. Total Years of Experience				
7. Years of Experience Relevant to the proposed role				
8. Brief Profile	(Upto 300 words)			
9. Languages	<b>Language</b>	<b>Read</b>	<b>Write</b>	<b>Speak</b>
10. List of works on projection Mapping Projects that Best Illustrates Capability to Handle the Task Assigned				
a)				
b)				
<b>1. Name of assignment of project:</b>				
<b>Year: From ___ to ___</b>	<b>Client:</b>	<b>Location:</b>	<b>Position held:</b>	
<b>Project Description:</b>				
<b>Activities performed:</b>				
<b>Certification</b>				
I certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged. Additionally, I also certify that I shall be available for the entire duration of the contract.				
Signature of staff member			Date:	



#### 4.8 FORM TECH-8: POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM

(On a Stamp Paper of relevant value)

##### POWER OF ATTORNEY

Whereas the Tamil Nadu Tourism Development Corporation (hereinafter referred to as “Client”), has invited Proposals from interested parties for Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning The advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu”, hereinafter referred to as “Project”.

Whereas the members of the Consortium are interested in bidding for the Project and implementing the Project in accordance with the terms and conditions of the RFP Document and other connected documents in respect of the Project, and

Whereas it is necessary under the RFP Document for the members of the Consortium to designate one of them as lead member with all necessary power and authority to do for and on behalf of the Consortium, all acts, deeds, and things as may be necessary in connection with the Consortium’s RFP for the Project.

NOW THIS POWER OF ATTORNEY WITNESSETH THAT:

We, M/s. \_\_\_\_\_, and M/s. \_\_\_\_\_ (the respective names and addresses of the registered office) do hereby designate M/s. \_\_\_\_\_ as the Lead Member of the Consortium, to do on behalf of the Consortium, all or any of the acts, deeds or things necessary or incidental to the Consortium’s proposal for the Project, including submission of application/ proposal, participating in conferences, responding to queries, submission of information/ documents and generally to represent the Consortium in all its dealings with Client, any other Government Agency or any person, in connection with the Project until culmination of the process of bidding and thereafter till the Contract Agreement is entered into with Client.

We hereby agree to ratify all acts, deeds and things lawfully done by Lead Member our said attorney pursuant to this Power of Attorney and that all acts’ deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us/Consortium.

Dated this \_\_\_\_\_ Day of \_\_\_\_\_ 2019.

\_\_\_\_\_  
(Executants)

(To be executed by all the members of the Consortium)

Note:

- a. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.

Also wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as resolution/ power of attorney in favour of the person executing this power/ of attorney for the designation of power hereunder on behalf of the bidder.

#### 4.9 FORM TECH-9: POWER OF ATTORNEY FOR AUTHORISED SIGNATORY

(On a Stamp Paper of relevant value)

##### POWER OF ATTORNEY FOR AUTHORISED SIGNATORY

Know all men by these presents, we \_\_\_\_\_ (name and address of the registered office) do hereby constitute, appoint and authorize Mr. /Ms. \_\_\_\_\_ (name and address of residence) who is presently employed with us and holding the position of \_\_\_\_\_ as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning The advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts' deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us/Consortium.

Executant

Signature of Attorney

(Name, Title and Address of the Attorney)

Attested

Executant

Notes:

1. To be executed by the sole Bidder or the Lead Member in case of a Consortium as the case may be.
2. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be under common seal affixed in accordance with the required procedure.
3. Also, where required, the executants(s) should submit for verification the extract of the charter documents and documents such as a resolution / power of attorney in favour of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
4. In case the Proposal is signed by an authorized Director of the Bidder, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the Power of Attorney.

#### 4.10 FORM TECH-10: FORMAT FOR THE MOU OF THE CONSORTIUM

Memorandum of Understanding (MOU)

(To be executed on Stamp paper of appropriate value)

THIS Memorandum of Understanding (MOU) is entered into on this the ..... day of ..... 2020

AMONGST

1. .... Agency / Company / Firm/Individual/ Sole Proprietor/Limited/Private Limited/ Joint Venture Company (JVC)/Partnership/Limited Liability Partnership (LLP) having its registered office at ..... (hereinafter referred to as the “First Part” which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

2. .... Agency / Company / Firm / Individual / Sole Proprietor / Limited / Private Limited / Joint Venture Company (JVC) / Partnership / Limited Liability Partnership (LLP) having its registered office at ..... (hereinafter referred to as the “Second Part” which expression shall, unless repugnant to the context include its successors and permitted assigns)

The above-mentioned parties of the FIRST AND SECOND are collectively referred to as the “Parties” and each is individually referred to as a “Party”

WHEREAS,

1. Tamil Nadu Tourism Development Corporation having its registered office at Tourism Complex, 2 Wallajah Road, Chennai, Tamil Nadu 600002 (hereinafter referred to as the “Authority” which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors, and assigns) has invited Bids (“Bids”) by its Request for Proposal No. .... dated ..... for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 Years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu (the “SEL Project”).
2. The Parties are interested in jointly bidding for the SEL Project as members of a Consortium and in accordance with the terms and conditions of the Tender document and other bid documents in respect of the said SEL Project, and
3. It is a necessary condition under the Tender document that the members of the Consortium shall enter into a Memorandum of Understanding and furnish a copy thereof with the Bid.

NOW IT IS HEREBY AGREED as follows:

1. The Parties do hereby irrevocably constitute a consortium (the “Consortium”) for the purposes of jointly participating in the Bidding Process for the SEL Project.
2. The Parties hereby undertake to participate in the Bidding Process only through this Consortium and not individually and/ or through any other consortium constituted for this SEL Project, either directly or indirectly or through any of their Associates.
3. The Parties hereby undertake that in the event the Consortium is declared the Selected Applicant and awarded the SEL Project, it shall incorporate a Special Purpose Vehicle (the

“SPV”) under the Indian Companies Act, 2013 for entering into Agreement with the Authority and for performing all its obligations as the SEL Project Executor in terms of the SEL Project.

4. The Parties hereby undertake to perform the roles and responsibilities as described below:
  - a. Party of the First Part shall be the Lead member of the Consortium and shall have the power of attorney from all Parties for conducting all business for and on behalf of the Consortium during the Bidding Process and until the appointed date under the Agreement when all the obligations of the SPV shall become effective.
  - b. Party of the Second Part shall be (Technical Member/ Other Member of the Consortium)
5. Joint and Several Liabilities: The Parties do hereby undertake to be jointly and severally responsible for all obligations and liabilities relating to the SEL Project and in accordance with the terms of the “Tender Document” and the MOU, till such time as the financial close for the SEL Project is achieved under and in accordance with the Agreement.
6. Shareholding in the SPV: The Parties agree that the proportion of shareholding among the Parties in the SPV shall be as follows: First Party: Second Party: Third Party:
7. The Parties undertake that a minimum of 51% (fifty-one percent) of the total paid up share capital of the SPV for Lead member on a fully diluted basis and
8. The Parties undertake that they shall comply with all equity lock-in requirements set forth in the SEL Project.
9. Each Party represents to the other Parties as of the date of this MOU that:
  - a. Such Party is duly organized, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this MOU.
  - b. The execution, delivery and performance by such Party of this MOU has been authorized by all necessary and appropriate corporate or governmental action and a copy of the extract of the charter documents and board resolution/ power of attorney in favour of the person executing this MOU for the delegation of power and authority to execute this MOU on behalf of the Consortium Member is annexed to this MOU, and will not, to the best of its knowledge:
    - i. Require any consent or approval not already obtained.
    - ii. Violate any applicable law presently in effect and having applicability to it.
    - iii. Violate the memorandum and articles of association, by-laws, or other applicable organizational documents thereof.
    - iv. Violate any clearance, permit, concession, grant, license or other governmental authorization, approval, judgment, order or decree or any mortgage agreement, indenture, or any other instrument to which such Party is a party or by which such Party or any of its properties or assets are bound or that is otherwise applicable to such Party; or

- v. Create or impose any liens, mortgages, pledges, claims, security interests, charges or encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances, or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of such Party so as to prevent such Party from fulfilling its obligations under this MOU.
- 10. This MOU is the legal and binding obligation of such Party, enforceable in accordance with its terms against it; and
- 11. There is no litigation pending or, to the best of such Party's knowledge, threatened to which it or any of its Associates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfilment of its obligations under this Agreement.
- 12. This MOU shall be effective from the date hereof and shall continue in full force and effect until the SEL Project is completed under and in accordance with the SEL Project Agreement, in case the SEL Project is awarded to the Consortium. However, in case the Consortium does not get selected for award of the SEL Project, the Agreement will stand terminated in case the Bidder is not selected or upon return of the Bid Security by ITDC to the Bidder, as the case may.
- 13. This MOU shall be governed by laws of India.

The Parties acknowledge and accept that this Agreement shall not be amended by the Parties without the prior written consent of TTDC.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS MOU AS OF THE DATE FIRST ABOVE WRITTEN.

<p>SIGNED, SEALED AND DELIVERED For and on behalf of FIRST PART</p>    <p>Signature Name Designation Address</p>	<p>SIGNED, SEALED AND DELIVERED For and on behalf of SECOND PART</p>    <p>Signature Name Designation Address</p>
--	---

In the presence of:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_

Notes:

The mode of the execution of the MOU should be in accordance with the procedure, if any, laid down by the Applicable Law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.

Each MOU should attach a copy of the extract of the charter documents and documents such as resolution / power of attorney in favour of the person executing this MOU for the delegation of power and authority to execute this MOU on behalf of the Consortium Member.

#### 4.11 FORM TECH-11: Unpriced Bill of Quantities

Sr. No.	Detailed Description of Item	Quantity	Unit of Measurement	Make and Model
<b>Audio Systems</b>				
1	Supplying, Installation, Testing, and commissioning of Equipment Rack 42 U Steel Doors – plain, vented at bottom, fully perforated and dual perforated, Glass Doors – with optional vented side trims for front-to-back air flow	1	Nos.	President/Rittal/Legrand/Or of substantially equivalent make with <b>exact</b> Specifications as Approved
2	SITC of Full range passive weatherised LCR Speakers Speaker Type : Passive / Biamp switchable point source speaker Driver Size : 2 x 8" LF Driver & 1 x 1" HF Driver Impedance : 8 Ohms or better Sensitivity : 99 dB or better, RMS Power (Passive) : 250 W or better, Maximum SPL : Peak - 129dB or more, Dispersion : 100° (H) x 60° (V) or more Rotatable Complex Conic Horn, Frequency Response (±3 dB): 90 Hz - 20 kHz, The enclosure should be fabricated from multi-ply hardwood and should be encased in a protective coating of gel coated fiberglass. The transducers should be protected from the elements by a three-layer grille and treated to prevent the formation of rust. The outer grille should be fabricated from 16 ga perforated stainless steel suitably finished, the intermediate grille should be at least 1/4" (6 mm) thick reticulated foam capable of withstanding 120 hours of UV (ultra-violet) testing. The inner protective screen should be fiberglass or equivalent, confirms to IP-55 Rating Under IEC Standard 529:1976, Should be available with custom colour option or choice from manufacturer factory with certification. Multiple Flying suspension point M10 & M6 type, Width of the speaker in installed position on pole should not be more than 300mm.Should be available with appropriate bracket confirms to IP55 rating with manufacture certificate, Complete with lock enabled aluminium/FRP protective enclosures camouflaged with the surroundings	3	Nos.	Renkus-Heinz / d&b audiotechnik / Fohhn Audio / L-Acoustics/Or of equivalent make with <b>exact</b> Specifications as Approved
3	SITC of Full range passive weatherised Surround Speaker, Speaker Type : Passive/ Biamp switchable point source speaker Driver Size : 2 x 6" LF Driver & 1 x 1" HF Driver, Impedance : 8 Ohms or better Sensitivity : 97 dB or better, RMS Power (Passive) : 200 W or better ,Maximum SPL : Peak - 126dB or more, Dispersion : 120° (H) x 60° (V) or more Rotatable Complex Conic Horn, Frequency Response (±3 dB): 100 Hz - 20 kHz, The enclosure should be fabricated from multi-ply hardwood and should be encased in a protective coating of gel coated fiberglass. The transducers should be protected from the elements by a three-layer grille and treated	8	Nos.	Music Tribe/L Acoustic/ Renkus Heinz/Or of equivalent make with <b>exact</b> Specifications as Approved

Sr. No.	Detailed Description of Item	Quantity	Unit of Measurement	Make and Model
	to prevent the formation of rust. The outer grille should be fabricated from 16 ga perforated stainless steel suitably finished, the intermediate grille should be at least 1/4" (6 mm) thick reticulated foam capable of withstanding 120 hours of UV (ultra-violet) testing. The inner protective screen should be fiberglass or equivalent, confirms to IP-55 Rating Under IEC Standard 529:1976, Should be available with custom colour option or choice from manufacturer factory with certification. Multiple Flying suspension point M10 & M6 type, Width of the speaker in installed position on pole should not be more than 200mm.Should be available with appropriate bracket confirms to IP55 rating with manufacturer certificate, Country of origin should be from USA, Canada, or Europe (Except eastern Europe) only. Complete with lock enabled aluminium/FRP protective enclosures camouflaged with the surroundings			
4	SITC of 18" passive weatherised subwoofer, Driver Size: 18" or better, Impedance: 8 Ohms, Sensitivity: 97 dB or better, RMS Power (Passive): 450 W or better, Maximum SPL: Peak - 131dB or more (half space), Frequency Response (±3 dB): 35 Hz - 120 Hz, the enclosure should be fabricated from multi-ply hardwood and should be encased in a protective coating of gel coated fiberglass. The transducers should be protected from the elements by a three-layer grille and treated to prevent the formation of rust., The outer grille should be fabricated from 16 ga perforated stainless steel suitably finished, the intermediate grille should beat least 1/4" (6 mm) thick reticulated foam capable of withstanding 120 hours of UV (ultra-violet) testing. The inner protective screen should be fiberglass or equivalent, confirms to IP-55 Rating Under IEC Standard 529:1976, Should be available with custom colour option or choice from manufacturer factory with certification. Multiple Flying suspension point M10 & M6 type, should be available with appropriate bracket confirms to IP55 rating with manufacture certificate. Complete with lock enabled aluminium/FRP protective enclosures camouflaged with the surroundings.	3	Nos.	Music Tribe/L Acoustic/ Renkus Heinz or of equivalent make with <b>exact</b> Specifications as Approved
5	SITC of 4 channel 4000 watts power network amplifier for speakers 4-channel 4000Watt Network amplifier with DSP, Class D or TD Nos. of Channel : 4,THD 20Hz- 20kHz at 1 W <0.05%,Dynamic Range >112 dB ,Channel separation at 1 kHz >70 dB, Power Handling : 4 × 1000 W @ 2/4 Ohms, 4 × 1000 W @ 8 ohms, 4 × 700 W @ 16 ohms, 4 x 1000 W @70V/100V RMS ,Max power per channel in case of bridge mode / Power management should be 1750 watts @ 4 ohms and 1350 watts @ 8 ohms, and 1150 Watts @ 2.67 Ohms,70v/100v Compatible ,Amplifier Gain configurable gain from 22dB to 44 dB, Frequency Response (1W into 8 ohm,20 Hz- 20kHz) +/- 0.05 dB, Peak output Voltage 150V with Max output current up to 30Amps,96KHz Sample Rate, DSP Features: classic/linear-phase/FIR speaker processing platform with four throughputs, DSP Features:	4	Nos.	Labgruppen / d&b audiotechnik / L- Acosutics /Or of equivalent make with <b>exact</b> Specifications as Approved

Sr. No.	Detailed Description of Item	Quantity	Unit of Measurement	Make and Model
	Group control with Raised Cosine MESA EQ asymmetric filters. Peak and RMS limiters, Support Multiple make Speaker preset, Comprehensive clocking management system with low latency sample rate conversion, Protection Features: Current Average Limiter (CAL), Very High Frequency Protection (VHF), Direct Current Protection (DC), Short Circuit Protection, Current-Clip Limiter, Voltage Clip Limiter, Temperature protection, Eight dual-redundant Dante network audio inputs,4 Analog Inputs Control port.			
6	SITC of Loudspeaker Management Processor 10 inputs & 6 outputs or more Loudspeaker management processor with SB Interface Digital Audio connectivity on DANTE (64x64) Having RS232 Control Port with USB Audio port including GPIO Ports. Frequency response 20 Hz to 20 kHz (±1 dB, input to output @ +4 dBu), THD+N (20 Hz to 20 kHz @ 0 dB gain < 0.005% +4 dBu output) < 0.005%, Dynamic range > 105 dB (20 kHz BW, input to output @ +24 dBu)	1	Nos.	Klarktechnik / Biamp /Symetrix/ Or of equivalent make with <b>exact</b> Specifications as Approved
7	SITC of Professional USB Audio Interface 24-Bit/96 kHz resolution for professional audio quality It should have Minimum18x20 USB2.0 Audio/MIDI Interface with ADAT I/O for recording microphones and instruments, It should support Streams 18 inputs and 20 outputs of ultra-low latency audio to your computer, supporting Mac* OS X* and Windows XP* or higher It should have 8 state-of-the-art designed Mic Preamplifiers with +48 V phantom power, It should have Optical I/Os supporting S/PDIF, ADAT and S/MUX formats up to 96 kHz,It Should have Input/Playback Mix control and Stereo/Mono switch for direct monitoring.	1	Nos.	Behringer / Focusrite / Motu / Stienberg/Or of equivalent make with <b>exact</b> Specifications as Approved
<b>Projection &amp; Lighting System</b>				
8	Supply, Installation, Testing and Commissioning of Projector Dust-sealed 3- chip DLP Technology, 4K Native Resolution: 30,000 lumens, RGB Laser Digital projector with 20000 Hrs or more Illumination lifetime, Minimum Contrast Ratio: <b>5000</b> : 1, Motorized horizontal and vertical lens offset, should have inbuilt blending and wrapping capabilities, Inputs: HDMI/DVI, DP ports Analog Controls: RS232 in/out, Ethernet (10/100), with long /Short throw Lens for projection as per site conditions.	6	Nos.	Christie /Barco/NEC/Or of equivalent make with <b>exact</b> Specifications as Approved
9	Supplying, Installation, Testing, and commissioning of Outdoor Projection housing enclosure for 30000 Lumens Laser Projector's. Enclosure should have Military Grade locking Mechanism, fabricated out of AU 5052 alloy, marine grade with remote device management, monitoring, controlling temperature & humidity	6	Nos.	tempest/Warrior/Vizbox/Or of equivalent make with <b>exact</b> Specifications as Approved
10	Assembly and mounting of projector as per site plan with cables, mounting brackets and tilt/pan arrangement system, made with SS 304 for projection layout.	1	Lot	Customized with Specifications as Approved
11	Supplying, Installation, Testing, and commissioning of Minimum 300-watt Narrow Beam Light IP65 rated,	20	Nos.	LBT/PR light /Or of equivalent

Sr. No.	Detailed Description of Item	Quantity	Unit of Measurement	Make and Model
	Support DMX protocol, 540°/270° (8-16 bit)			make with <b>exact</b> Specifications as Approved
<b>Media Server, Media Management Software Licence, UPS</b>				
<b>12</b>	<b>Media Management Server</b> <ul style="list-style-type: none"> <li>• 4U Multimedia Projection Mapping server, Intel Xeon processor, Minimum 16 GB GPU (AMD/Nvidia) Memory 4 DP 1.4 outputs with each channel supporting 4K resolution (• 4x 4096 × 2160 at 120 Hz), minimum 2*480GB SSD storage, 10GbE Ethernet ports. Minimum 16Gb ram or better, 2 USB3 ports. projection mapping Software should support geometry correction, edge blending, colour correction and 3D mapping, Media Management &amp; Shape Mapping. Operating system: Windows 10 or better.</li> </ul>	2	Nos.	Avstumpfl/Coolux/Vioso/ Or of equivalent make with exact Specifications as Approved
<b>13</b>	Supplying, Installation, Testing, and commissioning of 24 inches Flat LCD Display Monitors with Optimal Resolution of 1920 x 1080 at 60 Hz having Brightness 250 cd/m <sup>2</sup> (typical).	2	Nos.	Dell/Asus/HP/Or of equivalent make with <b>exact</b> Specifications as Approved
<b>14</b>	Supply, installation testing and commissioning 40 KVA UPS, true on- line UPS 3 Ph double Conversion with all safeties and protection and suitable capacity, sealed maintenance free 12 V batterie with a 30 mins backup time on full load with M open MS Battery rack and cable	1	Nos.	Eton/Emerson/APC/Or of equivalent make with <b>exact</b> Specifications as Approved
<b>15</b>	Supply, installation testing and commissioning Small Business 24 port Gigabit Network switch	1	Nos.	Cisco/D-Link/Or of equivalent make with <b>exact</b> Specifications as Approved
<b>Control Room, Audio, Video, Electrical Panel Cables &amp; Connectors, Peripherals and DG SET</b>				
<b>16</b>	Supply, laying and termination of DVI D/HDMI/DP copper cables (10 Mtr Cable bundles x 13 Nos.) with ends duly terminated and SITC of DP to DVI Converter.	1	Lot	Extron/Lightware/Or of equivalent make with <b>exact</b> Specifications as Approved
<b>17</b>	Supplying, Installation, Testing, and commissioning of Single/Multimode –Fibre Detachable HDMI2.0 to <b>fibre transmitter</b> , 600m extension. Full 4K HDMI 2.0 and HDCP 2.2 compliant, SC connector. 4K@60Hz with RGB 4:4:4 colorspace, 18 Gbit/sec bandwidth.	6	No.	Extron/Lightware or of equivalent make with <b>exact</b> Specifications as Approved
<b>18</b>	Supplying, Installation, Testing, and commissioning of Single/Multimode –Fibre Detachable HDMI2.0 <b>receiver</b> , 600m extension. Full 4K HDMI 2.0 and HDCP 2.2 compliant, SC connector. 4K@60Hz with RGB 4:4:4 colorspace, 18 Gbit/sec bandwidth.	6	No.	Extron/Lightware/Or of equivalent make with <b>exact</b> Specifications as Approved

Sr. No.	Detailed Description of Item	Quantity	Unit of Measurement	Make and Model
19	Supplying, Installation, Testing, and commissioning of Armoured Marine Grade Single/Multimode –Fibre cable with LIU box, Patch code etc	800	Mtr	Finolex/ D-Link/Kramer/Or of equivalent make with <b>exact</b> Specifications as Approved
20	Supplying, Installation, Testing, and commissioning of shielded Cat6 twisted pair cable.	800	Mtr	Finolex/ D-Link/Kramer/Belden Or of equivalent make with <b>exact</b> Specifications as Approved
21	Supplying, Installation, Testing and commissioning of Electrical panel, Marine Grade Power cabling and other electrical accessories with ISI Standard. Power Cables shall include the following: - 4 Sq. mm 3 core Cable; 2.5 Sq. mm 3 core Cable; 35 Sq. mm 1 core Cable; 120 Sq. mm 4 core Cable; 240 Sq. mm 1 core Cable for requirement as per respective power loads.	1	Lot	Belden/KEI/PolyCab/Or of equivalent make with <b>exact</b> Specifications as Approved
22	Supplying, Installation, Testing, and commissioning of Air conditioned Portable/Fixed Prefabricated of size 20'x10'x8' AV Control Room with Minimum Two operator Seating Capacity	1	Nos.	Customized
23	Supplying, Installation, Testing, and commissioning of Remote device monitoring (RDM) Panel for temperature, humidity etc.	1	Nos.	Customized
24	Supplying, Installation, Testing, and commissioning of Tinned Copper Audio, Shielded 2 core 2.5 Sq. mm DMX Cables.	1300	Mtr	Finolex/ Belden/Lightware /Or of equivalent make with <b>exact</b> Specifications as Approved
25	Supplying, Installation, Testing, and commissioning of 100 KVA DG Set with Automatic AMF Panel	1	Nos	Kirloskar/Cummins/Jakson /Or of equivalent make with <b>exact</b> Specifications as Approved
<b>Content Creation &amp; Artistic direction</b>				
26	25 Min Content creation, Research, Script Writing, Original Music Creation with 2D/3D animation, voiceover in Two languages (English, Tamil) with innovative Idea for Sound & Light Show at Thiruvalluvar statue,	2	Shows	

**4.12 FORM TECH-12: Unpriced Bill of Quantities**

*(To be submitted with Technical Proposal)*

To  
 The Managing Director,  
 Tamil Nadu Tourism Development Corporation  
 Tourism Complex,  
 Wallajah Road,  
 Tamil Nadu 600 002, India

Date: dd/mmm/yyyy

Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

I/We hereby submit the itemized unpriced BoQ as per the format provided below.

<b>Sr. No.</b> <i>(Kindly Maintain Sr. No. as per FORM TECH-11)</i>	<b>Detailed Description of Item</b> <i>(Complete Technical Specification of the item to be provided)</i>	<b>Quantity</b>	<b>Unit of Measurement</b>	<b>Make and Model</b>
<p>1.</p>				

Yours sincerely,

Authorized Signature [In full and initials with seal]: \_\_\_\_\_

Name and Title of Signatory:

Name of Firm:

Address:

## 5 SECTION-5: FINANCIAL PROPOSAL

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The bidders should submit hard copy of their financial bid in separate envelop figure in INR inclusive of all taxes except GST. The bid of the applicant should be all inclusive including various costs such as:

1. Supply of plant, equipment, mandatory spare parts, like Video Projection System, Sound & Light System, Sound & Light Controller, Pyro Techniques, Lighting, Effects, Audio System and Show Control including the cost of Technical software & Program Development
2. Installation services, Pre-commissioning, and Commissioning,
3. Preparation of 2 (two) concepts and show themes for Multimedia Sound & 3D projection mapping/ laser show including the multimedia projection,
4. Operation and Maintenance for a period of 5 (Five) year (after the trial run of one month and issue of certificate of operational acceptance by TTDC) including training of TTDC personnel, replacement of equipment & parts (if any), spares, personnel requirement, chemicals, Consumables, cleaning for uninterrupted performance of the Multi-Media Sound & 3D projection mapping/ laser show. TTDC estimates that the number of shows shall be minimum of two per day (Tamil Voiceover and English Voiceover) without interruption or breakdown and on average 300 days in a year. The operation of the shows shall be subject to the site conditions such as Precipitation and Monthly ocean tides.

**5.1 FIN FORM-12: FINANCIAL QUOTE**

To  
The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
Wallajah Road,  
Tamil Nadu 600 002, India

Date: dd/mmm/yyyy

**Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu**

We, the undersigned, offer to provide the services for the above in accordance with your Bid dated \_\_\_\_\_, and our Bid (Response to Technical Bid and Financial Bid). Our attached Financial Bid is \_\_\_\_\_ [inclusive of statutory taxes, duties, and levies during the contractual period except GST which will be paid extra by Tamil Nadu Tourism Development Corporation at the rate applicable on the date of invoicing, Amount in words and figures].

We understand that the Authority reserves the right to negotiate the Financial Bid for the services as a whole or for individual tasks of the services.

We undertake that our Financial Bid shall be binding upon us subject to the modifications resulting from contract negotiations, up to expiration of the validity period of the Bid, i.e., 90 days from the date of submission of the bid.

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India.

We understand you are not bound to accept any Bid you receive.

Yours sincerely,

Authorized Signature [In full and initials with seal]: \_\_\_\_\_

Name and Title of Signatory:

Name of Firm:

Address:

## 5.2 FIN FORM-13: FORM OF BANKERS CERTIFICATE FROM A SCHEDULED BANK

### (To be submitted with Technical Proposal)

To  
The Managing Director,  
Tamil Nadu Tourism Development Corporation  
Tourism Complex,  
Wallajah Road,  
Tamil Nadu 600 002, India

Date: dd/mmm/yyyy

Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

This is to certify to the best of our knowledge and information that (name and address of the registered office) a customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of:

**INR 2,50,00,000 (Rupees Two Crore and Fifty Lakhs Only).**

This certificate is issued without any guarantee or responsibility of the bank or any of the officers.

\_\_\_\_\_  
(Signature, name, and designation of the Bank's Authorized signatory with seal)

Note:

- 1) Bankers certificate should be on the letter head of the bank
- 2) In case of Consortium, certificate/(s) should include names of all partners as recorded with the Bank.

**5.3 FIN FORM-14: PRICED BILL OF QUANTITIES**

***(To be submitted with Financial Proposal)***

To  
 The Managing Director,  
 Tamil Nadu Tourism Development Corporation  
 Tourism Complex,  
 Wallajah Road,  
 Tamil Nadu 600 002, India

Date: dd/mmm/yyyy

Sub: Selection of Contractor for Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning the 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu

I/We hereby submit the itemized priced BoQ as per the format provided below.

<b>Sr. No.</b> <i>(Kindly Maintain Sr. No. as per FORM TECH-11)</i>	<b>Detailed Description of Item</b> <i>(Complete Technical Specification of the item to be provided)</i>	<b>Quantity</b>	<b>Unit of Measurement</b>	<b>Make and Model</b>	<b>Amount (In INR)</b>

Yours sincerely,

Authorized Signature [In full and initials with seal]: \_\_\_\_\_

Name and Title of Signatory:

Name of Firm:

Address:

## CHECK LIST FOR SUBMISSION OF TECHNICAL PROPOSAL

(To Be Attached as the first Page of the Technical Proposal)

S.No	Enclosures	Page Number/s in Proposal
1.	<b>Checklist for Submission of Technical Proposal</b>	<b>1</b>
2.	FORM TECH-1: TECHNICAL PROPOSAL SUBMISSION FORM	
3.	Earnest Money Deposit (EMD)	
4.	Tender Document Fee	
5.	Copy of Pan Card & GST Registration	
6.	Details of Applicant's project meeting Minimum technical Eligibility criteria as per Clause 1.9.1	
7.	FORM TECH-2: APPLICANT'S ORGANISATION AND EXPERIENCE	
8.	FORM TECH 2D:Financial Capacity of the applicant	
9.	FORM TECH 2E:Statement of Legal Capacity	
10.	FORM TECH 2F:Applicant's Experience in Previous Works	
11.	FORM TECH 2G:DECLARATION BY APPLICANT REGARDING BLACKLISTING	
12.	FORM TECH 2H:Manufacturer's Authorization Form (MAF)	
13.	FORM TECH 2I: Details of Eligible projects	
14.	FORM TECH-4: DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN	
15.	FORM TECH-5: KEY PERSONNEL & TASK ASSIGNMENTS	
16.	FORM TECH-6: CURRICULUM VITAE (CV) FOR PROFESSIONAL STAFF	
17.	FORM TECH-7: WORK SCHEDULE	
18.	FORM TECH-8: POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM( <i>If Applicable</i> )	
19.	FORM TECH-9: POWER OF ATTORNEY FOR AUTHORISED SIGNATORY	
20.	FORM TECH-10: FORMAT FOR THE MOU OF THE CONSORTIUM( <i>If Applicable</i> )	
21.	FORM TECH-12: Unpriced Bill of Quantities	
22.	FIN FORM-13: FORM OF BANKERS CERTIFICATE FROM A SCHEDULED BANK	
23.	Acknowledgment of RFP Document ( <i>Signature of Authorized signatory on all pages of the RFP</i> )	

## 6 SECTION 6: TERMS OF REFERENCE

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### 6.1 Scope of Work

General Scope of Work:

- I. Bidders must **mandatorily** visit the Project Site and ascertain for themselves the site conditions, location, surrounding, climate, access to the Project Site, locations of viewers gallery, physical constrains at the Site, etc. for preparation of project concept/design & design and submission of its proposal. Such visit shall be carried out by the Bidders at their own cost, risk, and responsibility. Authority shall not be liable for such costs, regardless of the outcome of the Bidding Process. **Proof of site visit maybe attached along with the FORM TECH -4 document.** Bidders may request TTDC for assistance in coordinating the site visit.
- II. Conceptualize, Design, Supply, Installation, Commissioning of all new equipment of reputed brands with advanced high efficiency essential for the advance 3D visual laser projection mapping having combinations of Documentary and animation technology (Sound & Light Show) with 5 years of Operation and Maintenance at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu.
- III. The bidder has the liberty to conceive the project at their own ideas that shall match with the international standards. The bidder must visit the site for better understanding.
- IV. The bidder should provide details of the hardware/ equipment to be provided in an elaborate manner (description, type and make, location already installed).
- V. The bidder should also indicate other support system, effect machines, UPS, DG Genset, Power Backup.
- VI. The bidder shall set-up the laser projection systems, control room and allied equipment on the island where the statue is located. The audio systems and allied equipment for the audience shall be setup onshore in the existing viewer gallery located adjacent to the ferry terminal. The synchronization of the Video projection and 5.1 audio output must be ensured by laying a marine cable between the island and viewers gallery.
- VII. The Bidder shall design and level the Existing viewers gallery located onshore with a minimum seating area of 250 people, its position, placement of equipment, audio, projector and light mounts, control room and any other physical structure if any after approvals from the TTDC.
- VIII. The Bidder shall obtain relevant insurances suitable for the equipment and O & M as against any damage during the shows and also follow up action with insurance agencies making claims on behalf of TTDC in case of damages, etc.

Artistic Work and Production:

- I. Contractor shall also be responsible for all artistic and production works required to be carried out for the Project as per the terms of this document.
- II. Details of show and content development as follows,

<b>ProjectSite</b>	The Prominent poet - Thiruvalluvar statue, Kanyakumari
<b>NameofWork</b>	<ul style="list-style-type: none"> <li>• Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting.</li> <li>• Development of project concept/ design, content, scriptwriting,voice-over,musicandprocurement&amp;installation of brand-newlaser projectors, hardware,equipment, software e.g., sound system, light system,laser projector for projection mapping on facade,showcontrolsystems,wiring&amp;cables,viewersgallery,controlroom,chairsforseatingarrangement,dieselgenerator for power back-up, etc. as per the projectconcept/designapprovedbytheAuthority</li> <li>• Operation, Maintenance &amp; Management (O&amp;M) of theShowfor 5Years afteritscommissioning</li> </ul>
<b>Project Commissioning Period</b>	<b>Within32 weeks fromtheAppointedDate</b>
<b>Operation, Maintenance &amp; Management (O&amp;M)</b>	C+5 Yearsfromthedateofcommissioningofthe3D laser projection mapping & Laser Show.
<b>Defects Liability Period</b>	C+1Yearsfromthedateofcommissioningof 3D projection and laser show.
<b>Life of Project</b>	The implementation of the Project is of permanent nature &allthecomponentsareexpectedtohavelifeofnotlessthan10 yearsexcept routinewearandtear.
<b>Maximum Permissible Project Cost including O&amp;M Expenditure for 5 Years (all Inclusive)</b>	INR 8.4 Crore

### Submission and Deliverables:

- I. The Bidder shall submit 'as built drawings' pertaining to the show to TTDC.
- II. The Bidder shall also submit to TTDC the O&M manual and guarantee cards of all the equipment installed for the show.
- III. The scope includes preparation of 2 (two) new concept and theme and content production for a minimum duration of 25 minutes each of the advance 3d projection / Laser mapping with animation technology and 5.1 audio synchronized with show lighting along with necessary software, accessories etc.
- IV. In addition to the English, the voice over will be required to be dubbed in Tamil.
- V. The content for the shows shall be finalized and approved by a Committee of experts' setup by TTDC.

### Control Rooms for Show

- I. Designing & Construction of the Control room complete with matching interior, Electrical works, lighting, ventilation & Air conditioning with minimum desired capacities, insulation, furniture etc. Control room should be leak proof and with insulation matting, fire safety measures, lighting arrestor & required earthing as per the relevant electricity rules.
- II. The Bidder shall also consider provision for design & construction site office for self, as well as TTDC, storage of spares & standby equipment, storage with complete fire safety and a security fencing/compound wall around such structure.
- III. Laser projector to be installed for projection mappings shall be enclosed without door projector enclosure, minimum general specifications of which are given in this document. Contractor may also be required to construct pucca small projector room also as per site requirement to ensure safety & security of the laser projectors.
- IV. Designing Control Room complete with all safety arrangements by providing side railing, lighting etc.
- V. The successful bidder shall get clearance from the Electrical Inspector/Fire Officer if required at his/her own cost.

### Operations:

- I. After the show is soft commissioned, the same will be reviewed by the Steering Committee, if the Steering Committee feels that audio visuals need to be modified for reasons like proper synchronization etc., the same need to be incorporated without any extra cost before the show is finally commissioned
- II. The shows shall be organized as per the instructions of TTDC and also special shows on the occasions of Government ceremonies / Important festivals resulting in high tourist footfalls if required.
- III. The selected bidder shall be responsible for the procurement of all the spare parts during the period of O&M period of 5 (Five) years including annual maintenance contract with the manufacturers, Routine and periodic maintenance of entire advance visual projection mapping having combinations of Documentary and animation technology (Sound & 3D laser projection mapping show).
- IV. The selected Bidder shall train the necessary personnel for operation of the show on an everyday basis.

- V. The selected bidder must bear the cost of operation by way of arranging 4 personnel for the management before, during and after the show.
- VI. The selected Bidder shall engage necessary manpower, trained personnel, supervisors for operation and maintenance periods and shall be promptly available at least 3 hours before the show every day.
- VII. Any repairs are to be attended on top priority for effective show without any compromise on the performance of the multimedia show. However, any major breakdown – shall be attended with 24 hours with intimation to TTDC.
- VIII. Selected Bidder shall be required arrange for standby power facilities by way of procurements & installation of UPS, Invertors, and diesel generators etc. at the Site as per approved make mentioned above for flawless running of the show, in case of power failure. Bidder must work out carefully the total electrification, cabling, change over switch arrangement for the Project's equipment. During O&M Period, Diesel charges (in case of power failure) shall be borne by the Authority.
- IX. The selected Bidder shall cooperate to run the extra shows with prior intimation of one week notice to be organized for special events for Govt. / any corporate promotions. The charges shall be paid extra on mutually agreed rates based on the show requirement.
- X. The selected Bidder shall include all consumables, tools and equipment required during O&M operations.
- XI. The selected Bidder shall complete the operations and maintenance successfully for 5(Five) years and shall handover all the equipment installed in good working condition to TTDC for closure of the contract.
- XII. The selected Bidder shall obtain all the necessary approvals for setting up and operating of the project, including from local authorities, and other government agencies as well as regulatory approvals and permissions required. TTDC shall support the Bidder in obtaining the required approvals, to the best of its efforts.
- XIII. The selected Bidder shall complete the operations and maintenance successfully and shall handover all the equipment installed in good working condition to TTDC for closure of the contract.
- XIV. Transport between the mainland/Onshore to the island/offshore shall be responsibility of the selected bidders, even during operations and maintenance phase.

#### **Utility Charges**

- I. Utilities charges (water, electricity, telecommunication, etc.) required while installation/construction of the Project shall be arranged by the Contractor at its own cost. However, after commissioning/start of the Project, the electricity charges for running and O&M of the Show shall be borne by the Authority.

#### **Determination and Collection of Ticket Price**

- I. Authority reserves the right to access and regulate the entry of visitors to the Project Site for watching the Show.
- II. Decision for making the Show free or ticketed is vested with the Authority. Authority reserves the right to decide, determine, collect, retain, and appropriate the ticket price from visitors for the Show. Ticketing for the Show will be done by Authority only.

- III. The amount collected from sale of tickets from visitors for watching the Show and any other revenue generated from the Project shall be the revenue of the Authority only and the Bidder shall not have any right over such revenue in any manner.

**Safety & Security of the Project:**

- I. The Contractor shall be responsible for safety and security of the Project including the all Project Assets viz. hardware, equipment, machinery, furniture & fixtures etc. during the Project Completion Period as well as during O&M Period of the Project.
- II. Contractor shall keep all Project Assets insured at its own cost against fire, burglary, earthquake, riot, flood, and other such calamities etc. throughout the Project Commissioning Period as well as O&M Period as per the provision of the Article-18 of the Contract Agreement. Insurance of all Project Assets shall be in name of the Authority or its authorized nominee. However, cost of such insurance shall be borne by Contractor only.
- III. The Contractor shall depute sufficient security personnel and install safety measures e.g., CCTV camera, burglary alarm, etc. to ensure proper safety and security of the Project.

**Software & associated Licenses:**

- I. Contractor shall procure, maintain, and use latest software as may be required for the Project. Licenses for such software shall be procured and maintained by the Contractor at its own cost for the entire life of the Project i.e., minimum 10 Years.

**Ownership of Proprietary Items:**

- I. All software, proprietary of scripts, narrations, voice recordings, etc. developed by the Contractor for this Project shall exclusively be right of the Authority and shall not be used/utilized by the Contractor at all anywhere else without written permission of the Authority.
- II. Bid Price quoted by the Contractor in its Financial Bid shall be deemed to include all amounts payable for the use of licenses, patents, copyrights, registered charges, trademarks, and payments for any other industrial property rights. The Contractor shall indemnify the Authority against all claims from a third party at any time on account of the infringement of any or all the rights mentioned above whether such claims arise in respect of manufacture or use.

### 6.3 Indicative Project Timelines

Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning of the advance visual projection mapping with animation technology and 5.1 audio synchronized with show lighting (Sound & Light Show) at the Thiruvalluvar Statue, Kanyakumari, Tamil Nadu with the total time frame of **32 weeks**.

Project Milestone	Description	Time Frame*
M 1	Team Mobilization	D + 0 weeks
M 2	<b>Detailed conceptualization</b> including all creative such as script and visual design, technical details of the components such as capacity, make, quantity, load that shall be used on the said project.  Approval of the dramatized script including making necessary amendments	D + 6 weeks
M 3	Finishing of audio-video production.  • Recording of the script including mixing of music	D + 8 weeks
M 4	Physical supply of material on site.  • Placing of hardware orders for hardware equipment • Designing of the viewer's gallery & control room • Delivery of hardware equipment at site & starting of cabling work, Content Production • Completion of Civil Works related to Control Room/ Supply and Laying of Cables	D + 20 weeks
M 5	Installation and trial run for Content – 1 ( <i>English Language</i> )  • Positioning/Installation of hardware equipment, lights, etc.	D + 24 weeks
M 6	Satisfactory commissioning of the project for Content – 1 ( <i>Both Languages</i> )  • Programming, system integration of sound, lighting and the content generated Commissioning and other related misc. works.	D + 26 weeks
M 7	Trial run for Content – 2 ( <i>English Language</i> )	D + 30 weeks
M 8	Satisfactory commissioning of the project for Content – 2 ( <i>Both Languages</i> )  Programming, system integration of sound, lighting and the content generated Commissioning and other related misc. works.	D + 32 weeks
C 1	Defect Liability Period	C + 1 Years
C 2	Operation and Maintenance	C + 5 years

\* Where D is the date of Signing of Contract for the Assignment and C is the date of issue of certificate of operational acceptance by TTDC of the 3D projection mapping/laser show.

#### 6.4 Ownership of the proposal

All proposals submitted in response to this RFP shall become the property of the TTDC regardless of the rejection/acceptance of any proposal.

#### 6.5 Proprietary information

Any information considered as a legitimate trade secret or non-published financial information must be clearly marked in the Proposal and will be treated as such in accordance with the laws of the State of Tamil Nadu and the Government of India. A proposal that is entirely marked as confidential will be rejected.

#### 6.6 Code of ethics

The applicants must ascertain that there is no conflict of interest or violation of ethics if they are awarded the contract for these works. The Applicants also pledge that all information included in their proposal are accurate and correct to the best of their knowledge. Any falsification of facts or deceiving information may be grounds for rejection.

#### 6.7 Contract award

The TTDC reserves the right to contract for all or a partial list of services offered in the proposal. The RFP and the Applicant's proposal will become part of the contract between the Client and the Contractor. If the Contractor fails to execute a contract with the Client within 45 days, the Client may elect to cancel the selection and award to the next lowest priced applicant.

#### 6.8 Terms of Payment

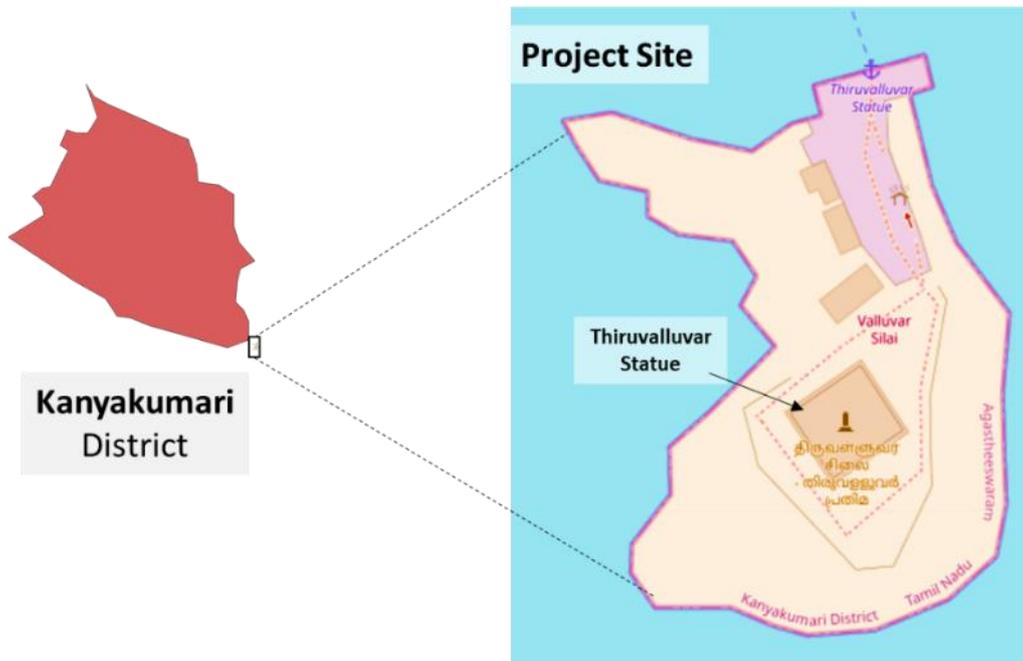
Payments will be made based on progress percentage of total project cost as per the schedule below:

Stage	Payment Stage	Payment Schedule
M 1	Mobilization advance	Not Applicable
M 2	Detailed conceptualization including all creative aspects such as script and visual design, technical details of the components such as capacity, make, quantity, load that shall be used on the said project.  Both payments for M1 & M2 will be released against the submission of the bank guarantee.	10% of financial quote of the applicant
M 3	Completion of audio-video production.	10% of financial quote of the applicant
M 4	Physical supply of material on site.	20% of financial quote of the applicant
M 5	Installation and trial run – <b>Content-1</b>	<b>10%</b> of the financial quote.
M 6	Satisfactory commissioning of the project. <b>Content-1</b>	10% of financial quote.
M 7	Trial run for Content – <b>Content-2</b>	<b>10%</b> of financial quote.

Stage	Payment Stage	Payment Schedule
M 8	Satisfactory commissioning of the project. <b>Content-2</b>	<b>10 %</b> of financial quote.
C 1 & C 2	<p>Operation &amp; Maintenance.</p> <p>The Contractor will be paid as 8 (eight) equal payments at the end of every six months from the issue of certificate of operational acceptance by TTDC.</p>	20% will be released during the O&M period on a half-yearly basis over a period of 5 years.
	<p>Retention Money: -</p> <p>5 % percent of each Interim Payment certificate will be deducted as retention money.</p> <p>The retention money shall be returned in two parts -</p> <p>a) 50 (%) percent of the amount will be paid after expiry of DLP services from date of issuance of commissioning certificate.</p> <p>b) 50 (%) percent of the amount will be paid after expiry of 5 year of O&amp;M services from date of issuance of commissioning certificate.</p>	

## 7 Annexure – 1: Location Details

**Kanyakumari**(also known as Cape Comorin) is a town in Kanyakumari District. It is the southern tip of Indian subcontinent. The southernmost town in mainland India, it is sometimes referred to as 'The Land's End'. A popular tourist destination in India, it is famous for its unique ocean sunrise, sunset and moonrise, the 41-metre (133 ft) Thiruvalluvar Statue and Vivekananda Rock Memorial off the coast, and as a pilgrimage centre. Lying at the tip of peninsular India, Kanyakumari is bordered on the west, south and east by the Laccadive Sea. It has a coastal line of 71.5 km stretched on the three sides. Kanyakumari is located at 8.08°N 77.57°E and has an average elevation of 30 metres. It is located at the confluence of the Western Coastal Plains and Eastern Coastal Plains.



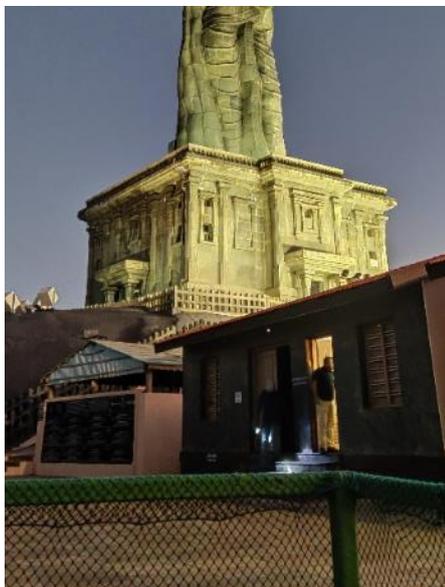
**The Thiruvalluvar Statue** has a height of 29 metres (95 feet) and stands upon a 11.5-metre (38 ft) rock that represents the 38 chapters of "virtue" in the Thirukkural. The statue standing on the rock represents "wealth" and "pleasures", signifying that wealth and love be earned and enjoyed on the foundation of solid virtue. The combined height of the statue and pedestal is 133 ft (40.5 m), denoting the 133 chapters in the Thirukkural. It has a total weight of 7000 tons. The statue, with its slight bend around the waist, is reminiscent of a dancing pose of the ancient Indian deities like Nataraja. It was sculpted by the Indian sculptor V. Ganapati Sthapati, who also created the Iraivan Temple. Its opening ceremony was on 1 January 2000. The monument was hit by the Indian Ocean tsunami on 26 December 2004. but stood unaffected. The statue is designed to survive earthquakes of unexpected magnitudes, such as magnitude 6 on the Richter Scale occurring within 100 kilometres. This is far beyond that of any event recorded in the regional history. During maintenance work, rough seas and low tides, entry is restricted for tourists



*(Site Visuals) A Panoramic view of shore and Thiruvalluvar statue*



*(Site Visuals) A view of Thiruvalluvar Statue at Night*





# LAYOUT PLAN OF SOUND & LIGHT SHOW SYSTEM AT KANNIYAKUMARI:-

(ALL DIMENSIONS ARE IN METRE)  
(SCALE-1:100)

