

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

Tender ID: 2529 – D/Engg/2021

Tamil Nadu Tourism Development Corporation Limited,
Tourism Complex,
Wallajah Road, Chennai
Tamil Nadu 600 002, India

Dated: 03.06.2022

Corrigendum -2

Subject: 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

1. This Corrigendum forms an integral part of the RFP.
2. Pursuant to the release of the RFP 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 issued by Tamil Nadu Tourism Development Corporation Limited, on 29th April 2022, following are the amendments in the RFP. The changes are presented in tabular form along with the modification/amendment approved by the Competent Authority. The amendments in the RFP are attached overleaf as Corrigendum.

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

Date: 03-06-2022

To,

All the eligible Bidders

Tender ID: 2529 – D/Engg/2021

Sub: 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

Dear Bidders,

This has reference to the RFP dated 29th April 2022 for the subject work and pre-bid meeting held on 12th May 2022. In this regard, following documents are enclosed herewith:

- a) Replies to Pre-bid queries as **Annexure-X**
- b) **Amendment-I** to the RFP document as **Annexure-Y**
- c) Revised Last date and time for submission of eligibility / tender documents along with EMD on **23.06.2022 up to 03:00 pm**
- d) Opening of eligibility documents on **23.06.2022 up to 03:30 pm**

Enclosure: As above

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

Annexure-X

Tender ID: 2529 – D/Engg/2021

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
Canara Lighting Industries Pvt. Ltd.,				
1.	Clause No.2.9.1(b), Page No. 15	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.	We are MSME company following make in india vision of our prime minister. To encourage MSME companies project value should be reduced for pre qualification. Please provide us with an escalation factor per year of 10% year wise. It's already mentioned in all tenders by Govt and state Govt departments. Hence request to incorporate the same for the Tenderer.	No Change, RFP conditions shall prevail.
2.	Clause No.2.9.1(b), Page No. 15	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.	The tender estimate is mentioned at Rs.8.4 Crore and also asks for one work order with completion for 8 Crore for qualifying in the tender. We draw your kind attention to the technical qualification valuation of the same value is not mentioned in the Technical valuation. It's given preference for two orders of 4.5 crores only. Hence request you to amend the same in the Technical evaluation sheet so it will be beneficial for both project holders and can qualify for the tender.	Kindly refer to S.No. 1 of Annexure-Y for modified clause.
3.			We are still suffering from a country epidemic for the last three years and are not able to handover projects to some clients and can't submit completion certificate for same hence request you to allow the tenderer to qualify as per work order only of the same amount	No Change, RFP conditions shall prevail.
4.			Kindly waive off the EMD for MSME Organization.	No Change, RFP conditions shall prevail
5.			Kindly remove hardcopy submission, once the tender is awarded hardcopy submission can be made.	No Change, RFP conditions shall prevail

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
Delta Electronics Pvt. Ltd. (Digital Projections)				
6.	Projection & Lighting System Sr no-8, Page No-57	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: 5000: 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.	Supply, Installation, Testing and Commissioning of Projector Dust-sealed 3- chip DLP Technology, 4K-UHD Resolution: 30,000 ISO lumens, Laser Phosphor projector with 20000 Hrs or more Illumination lifetime, Minimum Contrast Ratio: 5000: 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.	No Change, RFP conditions shall prevail. RGB Laser projectors provide superior technology and is the minimum requirement for this project.
7.	Sr no-8, Page No-57	30,000 lumens	include 30,000 ANSI Lumens in the projector specifications. We request to give a tolerance of +/- 9% so that all the brands mentioned can comply the minimum specified tender specifications for projectors.	Kindly refer to S.No. 3 of Annexure-Y for modified clause.
Barco Electronic Systems Pvt Ltd				
8.	4.11 FORM TECH-11: Unpriced Bill of Quantities Sr. No. 8 Page 57	RGB Laser Projector	Request to kindly change this to "Laser Projector" to have a more suitable product for your project & generalise the specification to be met by all approved makes. Reason: <ul style="list-style-type: none"> Out of approved makes for Outdoor Mapping only Christie currently manufacture/offer "RGB Laser technology projector", while other makes offer "Laser Phosphor Technology" for outdoor mapping application. Hence to generalise for all approved makes only "Laser Projector" is requested to be mentioned. 	No Change, RFP conditions shall prevail. RGB Laser projectors provide superior technology and is the minimum requirement for this project.

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			<ul style="list-style-type: none"> In 30000 Lumens Brightness category Barco currently does not manufacture/ offer RGB laser projector meant for Outdoor projection mapping. No benefit for RGB Laser as Laser Phosphor provides better white point than RGB Laser. Since colour of Statue is dark a projector with better white point will give brighter & better outcome which can be best achieved by "Laser Phosphor" Key benefit of RGB laser is REC 2020 colour spectrum, however there is no content in projection mapping which is produced beyond REC 709, REC 2020 is over kill for mapping application and practically this feature of RGB projector will not be used. RGB laser projectors are more prone to Speckle effect issues due to additional Green Laser (Green Laser produces more speckle), while Speckle effects are not visible with Laser Phosphor as there is no Green Laser. 	
9.	4.11 FORM TECH-11: Unpriced Bill of Quantities Sr. No. 8 Page 57	4K Native Resolution	<p>We request to kindly remove word "Native" & allow "4K /4K UHD resolution" to generalise for all approved makes</p> <p>Reason:</p> <ul style="list-style-type: none"> In 30000 Lumens brightness category Native 4K resolution is commonly found in RGB laser projectors which is currently offered by only one make- Christie. Laser Phosphor projectors though do not have native 4K resolution but still with inbuilt technological advancement provide 4K UHD output (3840 x2400= 9.2 Million Pixels) with better overall resolution & pixels against native 4K (4096 x 2160= 8.8 Million Pixels). Since the Statue is too far viewing distance there is no visible difference between native 4K & a 4K/4K 	No Change, RFP conditions shall prevail.

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			UHD output projector. Instead mention of Native 4K will restrict other worthy OEMs to offer their equivalent product.	
10.	4.11 FORM TECH-11: Unpriced Bill of Quantities Sr. No. 8 Page 57	30000 lumens	We request mention ANSI Lumens (Widely accepted brightness measurement standard) for brightness & change specifications to 30000 ± 5% ANSI Lumens. 5% variation allow multiple OEMs to participate as different OEMs may have slight variation in brightness of projectors.	Kindly refer to S.No. 3 of Annexure-Y for modified clause.
Lux & Decibels				
11.	Clause No. 2.10(e), Page No. 16	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.	Request to consider both Consortium members experience and credentials which will allow the most expertise delivery for the project.	Kindly refer to clause 2.10 (c) on page 16 of the RFP.
12.	Clause No. 2.14.1, Page No. 17	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.	MSME eligibility criteria may be considered and exemption of Earnest money Deposit for Units with exemption GO to be considered.	No Change, RFP conditions shall prevail.
13.	Sl.No.2, Page No.2	Last date and time for submission of eligibility / tender documents along with EMD on 31.05.2022 up to 3.00 P.M.	Our technical team will visit the site for the detailed study in respect to deliver the best project and due to pandemic situation, the time to bid is very less, we would request for 2 to 3 weeks extension of time to submit the bids from the time specified.	Revised Last date and time for submission of eligibility / tender documents along with EMD on 23rd June 2022 up to 03:00 pm
14.	Clause No. 2.9.2(b), Page No. 15	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	Bankers Certificate is no way related to credentials and Eligibility of the project and we request to relax the clause for MSME registered companies.	No Change, RFP conditions shall prevail.

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
15.	Clause No.2.9.1(b), Page No. 15	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.	Request to relax the Similar Work Experience Value from 4.5 Crore to 2.5 Crore.	Kindly refer to S.No. 1 of Annexure-Y for modified clause.
Optilase TT				
16.	Page 7	Installation at Island	Request to be changed to shore as well	No Change, RFP conditions shall prevail.
17.	Page 15, 2.9.2 Point a	Turnover	We have this to be changed to minimum Rs 1.2 Crore banker Certificate.	
18.	Page 15 , 2.9.2 Point b	Bankers certificate	Bankers Certificate to be modified as above	
19.	Page 15 , 2.9.1 Point III	Project cost	Minimum One of Rs 2 Cr each	Kindly refer to S.No. 1 of Annexure-Y for modified clause.
20.	Page 17, 2.14.1	EMD	As an MSME we request you to accept NSIC certificate Stating for laser Shows . As NSIC registered Customers are exempted from paying EMD and Tender fee as per Govt of India norms	No Change, RFP conditions shall prevail.
21.	4.11.8 Page No: 57	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: 5000: 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.	Addition of Laser show projectors we request you add alternatively the latest technology 2nd generation laser video projectors with 3d mapping for better brightness/resolution on projection	No Change, RFP conditions shall prevail

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
22.	4.11.9 Page No : 57	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	We would require this to be extended to allow laser projectors (galvo and 2 nd generation laser video projector (acoustooptic) with 3d mapping which are different as per above and more effective to do long range 3D Video mapping projection Also this can be incorporated on shore building.	No Change, RFP conditions shall prevail
23.	4.11.10 Page No: 57	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.	We mostly use anodized aluminium for outdoor installations (Which have lasted nearly a decade or more now by sea).	No Change, RFP conditions shall prevail
24.	4.11.11 Page No: 57	Supplying, Installation, Testing, and commissioning of Minimum 300-watt Narrow Beam Light IP65 rated, Support DMX protocol, 540°/270° (8-16 bi)	Allow laser show projectors as an alternative due to greater brightness and wider range of effects	No Change, RFP conditions shall prevail
25.	4.11.12 Page No: 58	Media Management Server • 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 & Shape Mapping. Operating system: Windows 10 or better.	Allow use of AMD processors (Has technology advantage over Intel for server CPUs)	Kindly refer to RFP Specifications, AMD is included.
26.	4.11.13 Page No: 58	Supplying, Installation, Testing, and commissioning of 24 inches Flat LCD Display Monitors with OptimalResolution of 1920 x 1080 at 60 Hz having Brightness 250 cd/m ² (typical).	Increase resolution of screen to higher than 1080p. As 1080p is limiting for modern software, it does not give	No Change, RFP conditions shall prevail

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			much room for UI (User Interface) elements in complex software.	
27.	4.11.16 Page No: 58	Supply, laying and termination of DVI D/HDMI/DP copper cables (10 Mtr Cable bundles x 13 Nos.) with endsduly terminated and SITC of DP to DVI Converter.	We would install inside the building on shore, not on island. Should not need DVI converter, will retain HDMI or fibre connectivity with our 2 nd generation laser video projectors.	No Change, RFP conditions shall prevail
28.	4.11.17 Page No: 58	Supplying, Installation, Testing, and commissioning of Single/Multimode –Fibre Detachable HDMI2.0 to fibre transmitter , 600m extension. Full 4K HDMI 2.0 and HDCP 2.2 compliant, SC connector. 4K@60Hz with RGB4:4:4 colorspace, 18 Gbit/sec bandwidth.	Make island fibre optional as we do not require fibre link to island for shore install. We can replace with double or triple redundant wireless communication if island install is desired still.	No Change, RFP conditions shall prevail
29.	4.11.18 Page No: 58	Supplying, Installation, Testing, and commissioning of Single/Multimode –Fibre Detachable HDMI2.0 receiver , 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.	As per 4.11.17 request	No Change, RFP conditions shall prevail
30.	4.11.19 Page No: 59	Supplying, Installation, Testing, and commissioning of Armoured Marine Grade Single/Multimode – Fibre cablewith LIU box, Patch code etc	As per 4.11.17 it is not necessary for shore install.	
31.	4.11.22 Page No: 59	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	Allow changes to size (increase) for shore projection. Do not require monitoring or technicians present to operate show but will provide when required area for staff for programming We will design for remote programming to allow global use / programming of this system.	No Change, RFP conditions shall prevail
32.	4.11.23 Page No: 59	Supplying, Installation, Testing, and commissioning of Remote device monitoring (RDM) Panel for temperature, humidity etc.	We will not have remote devices if install is on shore, so this is not necessary for us.	No Change, RFP conditions shall prevail
33.	4.11.25 Page No: 59	Supplying, Installation, Testing, and commissioning of 100 KVA DG Set with Automatic AMF Panel	We do not require 100kW for our installation, so would request this requirement is to be relaxed to allow (as per	No Change, RFP conditions shall prevail

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			calculations by Electrical engineer) smaller generator to be used for shore installation.	
34.	Page 68 – Control Rooms for shows Point : III	Laser projectors to be installed for projection mapping 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.	We need clarification the control room will be with door	No Change, RFP conditions shall prevail
35.	Page 68 – Operations Point II Page 69- Point IX	Special Shows	We need minimum of three(a) weeks notice for preparations of special shows from intimation date.	May be included as part of the Contract Agreement
36.	Page 72, 6.8	Payment Terms M 1: No Mobilization Advance M 2: 10% M 3: 10% M 4: 20% M 5: 10% M 6: 10% M 7: 10% M 8: 10% C1 & C2: 20%	No Bank Guarantee to be given M2 : 10% M3 : 10% M4 : 30% M5: 10% M6: 10% M7: 10% M8 : 10% M9 : 10% against Performance Bank Guarantee	Kindly Refer to S.No. 2 of Annexure – Y
37.	Page No : 57 S.No. 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 5000: 1, Motorized horizontal and vertical lens offset, should have inbuilt blending and wrapping capabilities, Inputs: HDMI/DVI, DP ports Analog	The laser and laser projectors can offer more Brightness. One Laser Projector offered can give more than 120000 lumens brightness. Hence please mention Projection resolution 30000 lumens or equivalent laser power/alternative technology.	No Change, RFP conditions shall prevail

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
		Controls: RS232 in/out, Ethernet (10/100), with long /Short throw Lens for projection as per site conditions.		
38.		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	Same as above	No Change, RFP conditions shall prevail
M/s Panasonic India Pvt. Ltd				
39.	Projection and Lighting system: Point No 8 Page 57	Approved makes: Christie /Barco/NEC/Or of equivalent make with exact Specifications as Approved	Please include Panasonic as an approved brand name since being a brand with 100 years of legacy and has executed large projects globally and locally like Olympics, Prime ministers museum, Hanuman statue, Bahubali statue etc., we would be able to participate in this prestigious project as well and can provide the best of the solutions available.	Brand Included Approved makes: Christie /Barco/NEC/ Panasonic or of equivalent make with exact Specifications as Approved.
40.	Projection and Lighting system: Point No 8 Page 57	Projector with 4K Native resolution	We request you to change the same to ' WUXGA(1920 X 1200) or better ' since the mentioned resolution DLP chips are costly and may not fit into the budget allotted for the project. More over the content that is produced will be cumulative 4K resolution and it will be split into Full HD components and blended together with multiple Full HD projectors to form a cumulative 4K image.	No Change, RFP conditions shall prevail
41.	Projection and Lighting system: Point No 8 Page 57	RGB laser digital projector	RGB laser is a technology proprietary to one manufacturer only and most of the other manufacturers uses Laser Phosphor technology which produces equivalent image quality. Hence request you to amend	No Change, RFP conditions shall prevail. RGB Laser projectors provide superior technology and is the

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			the same as projector with ' Laser Phosphor technology or better'	minimum requirement for this project.
42.	Projection and Lighting system: Point No 8 Page 57	Inputs: HDMI/DVI, DP	Please change the same to ' HDMI or DVI or DP ports x 1 nos' Since the output from the content server will be always in one format and through 1 output connectors, multiple output requirement might not be required in the projector and the same output will be shown all the time without changing the input port of the projector.	No Change, RFP conditions shall prevail
Showman Entertainment Pvt Ltd				
43.	Heading of the Tender Document Page No: 1	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	Tender mentions 3D Laser Projection Mapping with animation technology. Laser equipment are not mentioned in the BOQ. Video projection in 3D with projectors is only discussed in the meeting. So, kindly add laser inventories to the project. We will present our design and ideas for the same.	The Specifications refer to DLP Laser projectors.
44.	Page No: 76	Images given for view point and seating area	Considering the location of the statue in the sea and seating at the shore, visibility of the statue size is less when compared to its magnificent original size. From such a distance, to run contents with video projector doesn't make the content colourful nor will be sound and clear in visuals. We recommend using laser for outlining the statue to showcase the original size and the output source of lights when compared to other inventory is very much high and its travel band width and maximum output upto 1500 mtrs and above with various colour options will surely be an extravagant visual treat. Laser inventories support colourful rays with different bandwidths, animations and content creation. For this	Bidder can propose equipment at their own cost as a value addition. However, this is not a mandatory requirement of the RFP.

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			project, we recommend using 50 Watts and above to cover the distance and quantity from minimum 8 to 10 units. We can give examples of various universal projects.	
45.	Page No: 59 ; BOQ No: 21	BOQ NO: 21, Marine Grade Power Cabling and other electrical accessories	In the long run, we suggest that marine cabling under water is of high risk for both video and audio output. Also, installation of projector near the statue in the wave area will damage the equipments in long run. We recommend that projector, sound, video output systems arrangements are made at the shore with a separate control room for trouble shooting at anytime. For this project, video projectors doesn't support long distance throw which ends up in low lux, the tender documents indicates installation in the wave area near the statue. On this note, we recommend laser equipments with long throw outputs , which also supports installation in the shore area itself avoiding any further damage/risk in the long run.	No Change, RFP conditions shall prevail
46.	Page No: 55, Audio Systems	Audio Systems	In the tender documents, we recommend inclusion of brands which supply weather and wind resistance speakers and also the brands which have Pan India support with service centres for better quality maintenance for which we will have a contract with them.	No Change, RFP conditions shall prevail
47.	Projection & Lighting System Point No: 11 Page No: 57	States Supplying, Installation, Testing and Commissioning of Minimum 300 Watt Narrow Beam Light IP65 rated, Support DMX Protocol – (8-16 bot) 20 Nos	Lights of this variety again requires cabling under water. We recommend using International Standard High Quality Brightness lights which comes with wireless DMX transmission, and can be operated from the shore itself without any cable work.	No Change, RFP conditions shall prevail
48.	Page No: 1	Project Cost	With this project, South India Monument lit up with latest technology will be a landmark and pride for South	No Change, RFP conditions shall prevail

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Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			India. We would request you to kindly consider the above given points and Increase the project value.	
49.	Page No: 72	6.8 Terms of Payment	Release of funds should simultaneously cover the hardware and content creation. Hence, the percentage for release of stage wise payment needs to be reviewed.	Kindly refer to S.No. 2 of Annexure-Y for modified clause.
Veerel Enterprises				
50.	Clause No.2.9.1(b), Page No. 15	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.	Request to reduce the eligible project value to 2.5 Crore.	Kindly refer to S.No. 1 of Annexure-Y for modified clause.
51.	Clause No. 2.9.2(a), Page No. 15	For any three out of the last five financial years ending 31st 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.	Request to reduce the average turnover to 1.5 Crore.	No Change, RFP conditions shall prevail
52.	Clause No. 2.9.2(b), Page No. 15	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	Request to relax the clause considering the pandemic situation for last 2 years.	No Change, RFP conditions shall prevail
53.	Clause No. 2.10(e), Page No. 16	International / Foreign Consortium members to have prior presence of working in India or must provide apostilled documents of their past work experience of eligible projects.	Foreign company on consortium is to take the domestic company experience in India and asking for foreign company direct experience in India is not relevant.	Apostilled documents of their past work experience of eligible projects in foreign countries to be provided.
54.	Clause No. 2.14.1, Page No. 17	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.	Exemption requested for MSME registered companies.	No Change, RFP conditions shall prevail

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
55.	Clause No. 2.14.2, Page No. 17	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.	Exemption requested for MSME registered companies.	No Change, RFP conditions shall prevail
Aesthetix Technologies India Pvt Ltd				
56.	Financial Proposal Clause No - 2.17.3 (d) Page No - 19	Further, all payments shall be subject to deduction of taxes at source as per Applicable Laws.	Payments shall be subject to deductions of Taxes for material is not to be done, please confirm.	GST TDS and income tax TDS shall be applicable on the entire value. Labour Welfare Cess shall be applicable on all payments pertaining to SITC.
57.	Financial Proposal Clause No - 2.17.5 Page No - 20	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.	Is this Mandatory?	GST registration is mandatory
58.	Financial Proposal Clause No - 2.17.6 Page No - 20	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.	Taxes vary, some are 18%, some are 28% here only 18% is mentioned. Didn't understand this clause.	GST extra @18% shall be paid as applicable on composite works.

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
59.	Clause No - 2.19.3 (C) Page No - 22	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.	What does this mean?	This clause has been deleted
60.	Section-3: Data Sheet (Table 1: Datasheet): Clause No – (5) 2.14 EMD Page No - 26	The Earnest Money Deposit shall be valid for a period of 45 (forty-five) days beyond the Proposal Validity Period.	This is inconsistent the it says the refund will be given within 90 days post closure. If we calculate this EMD goes for a longer duration	The Earnest Money Deposit shall be valid for a period of 45 (forty-five) days beyond the Proposal Validity Period. And 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.
61.	SECTION-5: Financial Proposal Clause No – 1. Page No - 61	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	Mandatory Spare Parts but not listed in the BOQ?	Kindly refer to the RFP.
62.	SECTION 6: TERMS OF REFERENCE, (6.1) Scope of Work: Clause No – VII Page No - 66	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.	Need more clarity on this? Define Design and level?	Bidder shall Not be required to design and execute the works of seating gallery. Only placement of audio equipment around the seating gallery to be provided by bidder.
63.	SECTION 6: TERMS OF	The Bidder shall obtain relevant insurances suitable for the equipment and O & M as against any	What is the Insurance?	The clause is self-explanatory.

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
	REFERENCE, (6.1) Scope of Work: Clause No – VIII Page No - 66	damage during the shows and also follow up action with insurance agencies making claims on behalf of TTDC in case of damages, etc.		
64.	Artistic Work and Production: Clause No – II (Name of Work) Page No - 67	Conceptualizing, Designing, Supplying, Installing, Testing and Commissioning 3D laser projection mapping with animation technology and 5.1 audio synchronized with show lighting. Development of project concept/ design, content, scriptwriting, voice- over, music and procurement & installation of brand-new laser projectors, hardware, equipment, software e.g., sound system, light system, laser projector for projection mapping on facade, show control systems, wiring & cables, viewers gallery, control room, chairs for seating arrangement, diesel generator for power back-up, etc. as per the project concept/design approved by the Authority	a. Chairs for Seating arrangement refers to control room? b. Viewers gallery? What is expected here? c. Design by approved authority? Who is the authority?	The bidder must visit the project site and assess site conditions while preparing the proposal. Kindly refer to clause 6.1 for more details. c. Kindly refer to Page No. 2 of RFP.
65.	Section-1: Letter of Invitation: Clause No – (.2) Page No - 7	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.	Travel Accommodation a. Travel to and from cost in the ferry? b. Will the ferry provide the ability to transport DG or other site items? c. Time for the ferry? Ferry service from Poompuhar is available only during High tides.	The bidder must visit the project site and assess site conditions while preparing the proposal. Kindly refer to clause 6.1 for more details.
66.	General Query		Nominated TTDC officials for site visits are missing in the datasheet?	Kindly refer to Page No. 2 of RFP.
67.	General Query		For Bank related documents, will private Scheduled Private Banks be accepted?	Accepted

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
68.	General Query		<ol style="list-style-type: none"> 1. Information regarding the lighting show? 2. Air Conditioning? 3. Electrical Panel location offshore or onshore. 4. All Power to provide and electrical points scope? 5. Clarifications from UPS Vendor? 6. Generator Location? 7. RDM Panel? 8. Integration with DMX? 	The bidder must visit the project site and assess site conditions while preparing the proposal. Kindly refer to clause 6.1 for more details.
69.	General Query		<p>For Marine Cabling</p> <ol style="list-style-type: none"> a. what is the specification of the cable? b. At what depth is the deployment. <p>Who is responsible for getting approval of the Statutory authority governing under sea cabling?</p>	<ol style="list-style-type: none"> a. Kindly refer to the BOQ. b. TTDC shall be responsible to obtain all requisite approvals. The successful bidder shall assist TTDC in obtaining the same.
70.	General Query		As per the Tender Title it says laser, but there is no Laser equipment in the tender BOM.	The Specifications refer to DLP laser projectors.
71.	General Query		What about the condition of the existing General Lighting?	The bidder must visit the project site and assess site conditions while preparing the proposal. Kindly refer to clause 6.1 for more details.
72.	General Query		<p>Construction:</p> <ol style="list-style-type: none"> 1. Is there any particular expectation of the construction area etc? 	
73.	General Query		<p>Others:</p> <ol style="list-style-type: none"> 1. Need to ascertain O&M Transport Costs via Ferry 	
74.	General Query		<p>Note:</p> <ol style="list-style-type: none"> 1. 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 	
Laserworld India				

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
75.	Document Heading Page No. 1	(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	In the BoQ Video Projection in 3D with projectors is mentioned and no inventories of laser is included.	The Specifications refer to DLP laser projectors.
76.	Page No. 76	Images for view Point	With our experience, we sincerely Suggest laser equipment of long distance throw for installation. Major benefit is that we need not do underwater cabling and the equipment are safe on shore. We can suggest our top selling products for this kind of installations. RTI PIKO RGB 55 Watts and above, purelight series RGB 30-50 Watts. These equipment support laser beams, laser mapping and laser animations with high brightness. Across india we have supplied for all major projects for this kind of solution. To name a few we are providing below the project details: <ol style="list-style-type: none"> 1. Dal Lake laser Show 2. Dehradun Zoo Laser animation Show 3. KEM Ajmer Laser Mapping 4. Burj Khalifa Laser-Beam Show 	Bidder can propose laser equipment at their own cost as a value addition. However, this is not a mandatory requirement of the RFP.
Purple Vector India Pvt Ltd				
77.	Page No 15 2.9.1 (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.	This is very Restrictive and against the CVC guidelines & pertaining to limited bidders . Prior Eligible project should as mentioned below (Widely accepted in Tenders) 1 nos project 80% of EPC 2 nos projects 60% of EPC 3 nos Projects 40% EPC	Kindly refer to S.No. 1 of Annexure-Y for modified clause.

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
78.	Page No 15 2.9.1 (b. 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. <i>(If the project operations have been temporarily halted due to Covid19 restrictions, relevant supporting documentation/ Government Order/Notifications etc. must be furnished by the applicant.)</i>	This is also a restrictive clause. Majority of projects was completed within the stipulated time frame of last 7-8 months which were supposed completed during the tenure 2019-20. Due to the covid. Thus Completion of projects is started in last 6 months only. So within this tenure show cannot be operational at least for 1 year. Completion certificate along with the contract of O&M should be sufficient.	No Change, RFP conditions shall prevail
79.	Page No 17 2.14	Earnest Money Deposit (EMD)	Please allow the EMD exemption for MSME registered bidder or Accept the EMD in form stipulated PDC cheque.	No Change, RFP conditions shall prevail
80.	Page No 26 S.no - 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	Please accept the 2% performance Bank Guarantee instead of 5%	No Change, RFP conditions shall prevail
81.	Page No – 29 3.4	Criteria and Scoring system for evaluation:	The provided Criteria for scoring system in Technical bid as well as in Presentation is too much subjective with high ratio marking. Whereas that should be specific marking terms. Where bidder shall be having some sort of assurance that he's getting the i.e % of marking.	No Change, RFP conditions shall prevail

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
82.	Page No 55 4.11	Supply of Audio Systems Renkus-Heinz / d&b audiotechnik / Fohhn Audio / L-Acoustics/Or of equivalent make with exact Specifications as Approved	The specs given here are exact specs from Renkus-Heinz (Model No PNX82 and TX/TA82). Need to make this generic to have more and better options on this	Equivalent technical specifications of any specified alternate make is acceptable.
83.	Page No – 57 & 58 S.no – 8	Projection System 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: 5000: 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.	Only Christie has this spec. Need to change to WUXGA instead of RGB so that we can have options from Barco, Panasonic, DP & Epson	Kindly Refer to S.No. 9 of Annexure-X
84.	Page No –57 & 58 S No: 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.	Tempest/Warrior/Vizbox/Or of equivalent make with exact Specifications as Approved These are very expensive enclosures (approx. 5lakhs each). Need relaxation on the same. Can be fabricated here.	No Change, RFP conditions shall prevail. Customised Fabricated Enclosures are strictly Prohibited.
85.	S No: 12 Page 59	Media Management Server • 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	Media Management Server Multimedia Projection Mapping server with Minimum 2U rackmount chassis , Intel Xeon processor, Minimum 8 GB GPU Memory 4 DP 1.4 outputs with each channel supporting 4K resolution.	Make and Model modified as below Approved Make and Model

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
		<p>• 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 & Shape Mapping. Operating system: Windows 10 or better.</p> <p>Quantity – 2 Nos</p> <p>Make and Model Avstumpfl/Coolux/Vioso/ Or of equivalent</p>	<p>• 4x 4096 × 2160 at 60 Hz), minimum 1TB 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 & Shape Mapping. Operating system: Windows 10 or better.</p> <p>Quantity – 2 Nos</p> <p>Make and Model Dataton/Coolux/Vioso Or equivalent make with exact Specification</p> <p><u>Media Management Software</u> Edge blending software with user-friendly interface supporting playback of uncompressed video and image, 3D mapping, real time effects & transition, frame lock and capable of taking backup, and should support external commands for projectors and lighting systems if integrated.</p> <p>Quantity – 1 Nos Make and Model Dataton/Coolux/Vioso</p> <p><u>Media Management Control Pc</u> Minimum I5 processor, 8 GB RAM or better, 1TB SSD, 4GB GPU, along with wired keyboard & Mouse with 19-inch 1920X1080 monitor.</p> <p>Quantity – 1 No</p> <p>Make and Model</p>	<p>D3/Coolux/7thsense/ Or of equivalent make with exact specifications.</p>

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion			Revised Clause / response															
			Dell/HP/Lenovo or equivalent																		
86.	Page no 59 S No: 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,	Need more clarity on this. What are the parameters that we are looking at in terms of Voice Over, Music and Story???			Freedom provided to the bidder to develop content which shall be approved by Authority.															
87.	Page No 72 S No: 6.8	Terms of Payment Provided payment terms is not upto the mark and aren't proposed in serial order thus may lead to delay in delivering the project by bidder or Authority.	<table border="1"> <thead> <tr> <th data-bbox="1066 496 1167 687">Stage</th> <th data-bbox="1167 496 1464 687">Payment Stage</th> <th data-bbox="1464 496 1675 687">(%) Percentage of payments for execution of Work</th> </tr> </thead> <tbody> <tr> <td data-bbox="1066 687 1167 839">I</td> <td data-bbox="1167 687 1464 839">On Submission of Detailed Layout plan, visual design, technical details of the components</td> <td data-bbox="1464 687 1675 839">10% of financial quote of the applicant</td> </tr> <tr> <td data-bbox="1066 839 1167 991">II</td> <td data-bbox="1167 839 1464 991">On Submission & approval of Script with Visualization Chart</td> <td data-bbox="1464 839 1675 991">10% of financial quote of the applicant</td> </tr> <tr> <td data-bbox="1066 991 1167 1110">III</td> <td data-bbox="1167 991 1464 1110">Supply and Laying of Cables on site</td> <td data-bbox="1464 991 1675 1110">10% of financial quote of the</td> </tr> <tr> <td data-bbox="1066 1110 1167 1217">IV</td> <td data-bbox="1167 1110 1464 1217">After the receipt of major Hardware / Equipment at site.</td> <td data-bbox="1464 1110 1675 1217">30% of financial quote of the applicant</td> </tr> </tbody> </table>	Stage	Payment Stage	(%) Percentage of payments for execution of Work	I	On Submission of Detailed Layout plan, visual design, technical details of the components	10% of financial quote of the applicant	II	On Submission & approval of Script with Visualization Chart	10% of financial quote of the applicant	III	Supply and Laying of Cables on site	10% of financial quote of the	IV	After the receipt of major Hardware / Equipment at site.	30% of financial quote of the applicant			Kindly Refer to S.No. 2 of Annexure-Y for modified clause.
Stage	Payment Stage	(%) Percentage of payments for execution of Work																			
I	On Submission of Detailed Layout plan, visual design, technical details of the components	10% of financial quote of the applicant																			
II	On Submission & approval of Script with Visualization Chart	10% of financial quote of the applicant																			
III	Supply and Laying of Cables on site	10% of financial quote of the																			
IV	After the receipt of major Hardware / Equipment at site.	30% of financial quote of the applicant																			

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response									
			<table border="1"> <tr> <td data-bbox="1064 268 1167 496">V</td> <td data-bbox="1167 268 1464 496">On complete installation of hardware/equipment and After system integration, trial run & soft commissioning.</td> <td data-bbox="1464 268 1680 496">25% of financial quote of the applicant</td> </tr> <tr> <td data-bbox="1064 496 1167 815">VI</td> <td data-bbox="1167 496 1464 815">On modification, adjustment additions, alterations based on observations of stake holders in other languages as required & handing over after commissioning.</td> <td data-bbox="1464 496 1680 815">10% of financial quote of the applicant</td> </tr> <tr> <td data-bbox="1064 815 1167 975">VII</td> <td data-bbox="1167 815 1464 975">On successful running for one year from the date of completion certificate.</td> <td data-bbox="1464 815 1680 975">5% of financial quote of the applicant</td> </tr> </table> <p data-bbox="1064 1007 1680 1126">Retention Money: - 10 % percent of each Interim Payment certificate will be deducted as Operation & Maintenance Cost will be released during the O&M period on a half yearly basis over a period of 5 years.</p>	V	On complete installation of hardware/equipment and After system integration, trial run & soft commissioning.	25% of financial quote of the applicant	VI	On modification, adjustment additions, alterations based on observations of stake holders in other languages as required & handing over after commissioning.	10% of financial quote of the applicant	VII	On successful running for one year from the date of completion certificate.	5% of financial quote of the applicant	
V	On complete installation of hardware/equipment and After system integration, trial run & soft commissioning.	25% of financial quote of the applicant											
VI	On modification, adjustment additions, alterations based on observations of stake holders in other languages as required & handing over after commissioning.	10% of financial quote of the applicant											
VII	On successful running for one year from the date of completion certificate.	5% of financial quote of the applicant											
Integrated Digital Solutions P Limited													
88.		Project Cost	We opine that the estimated cost / budget, allocated for this project be raised by at least 25% : there could be technical and end-results requirements, beyond currently specified and (not-fully) quantified in the BoQ, arising more out of the locational and functional needs of the project, demanding more cost.	No Change, RFP conditions shall prevail									

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
89.	Clause No.2.9.1(b), Page No. 15		These are specialised projects: therefore, for wider participation, we recommend emphasis on the number of projects executed: with weighted value arrived based on standard escalation factors on the value of projects executed.	No Change, RFP conditions shall prevail.
90.	Fin-Form 13	Fin-Form 13	In our opinion, the requirement of certificate from the Bank (Form 13) be diluted to Rs. 1.25Cr., and not Rs. 2.5 Cr., being 50% of the value of the deemed qualifying project.	No Change, RFP conditions shall prevail
Guardian Media & Entertainment				
91.	2.9.1 (a) Page 15	The bidder can be single firm / consortium. The bidder should submit valid incorporation/registration certificate of the firm, PAN Card and GST registration certificate.	Along with the consortium partner, requesting to include the bidder can also be an associate partner.	The Query is Not clear.
92.	2.9.1 (b) Page 15	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.	Requesting to also consider the Ongoing projects, since the global pandemic situation was at its peak; due to which the travel/tourism lockdowns were imposed and tourism related projects were completely stopped and this similar line of projection mapping projects are also one among them which faced slowed down towards its completion.	No Change, RFP conditions shall prevail
93.	Table 1: S.No.7 Page 26	Performance Bank Guarantee : The Successful Applicant shall furnish Performance Security equivalent to 5%	Requesting to reduce the PBG to 2%.	No Change, RFP conditions shall prevail
94.	6.8 Payment Terms Page 73	Operation & Maintenance. 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. 20% will be released during the O&M period on a half- yearly basis over a period.	Requesting O&M period can be brought down to 3 years from 5 years and the amount held for O&M is mentioned as 20% which is a huge sum and requesting to make it 10% . Cannot afford for huge payment holding by the dept. since the budgets are very tiny for this magnitude.	Kindly Refer to S.No. 2 of Annexure-Y for modified clause.

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
95.	6.8 Payment Terms Page 73	M1- Mobilization Advance – Not Applicable	Requesting for a mobilisation advance for a min. amount of 10% for this project magnitude and complex scope.	No Change, RFP conditions shall prevail
96.	General		We would like to understand the various other departments involved in order to obtain permissions for the commencement of the project. The permissions are pre-obtained or yet to be obtained, if its yet to be obtained it will be a scope of TTDC or successful bidder? If it is at the contractor's scope then requesting to spare the involved timeframe from the project time line	TTDC shall be responsible to obtain all requisite approvals. The successful bidder shall assist TTDC in obtaining the same.
97.	General		Requesting to increase the overall project cost to 25-30% for this kind of a turnkey/critical installation project. These projects can be fairly successful, only when there is a reasonable good budget to generate an overall optimal result. Rough seas with high tides are usually not the place to compromise on the budgetary standards and its installation quality.	No Change, RFP conditions shall prevail
98.	General		The placement of the projector is on the island or is at the shore? if it is at the island itself, what is the necessary to use 6 nos. of projectors? ideally it can provide sufficient luminance with lesser no. of projectors with lesser throw distance range.	Bidder can make presentation of their plans as per their concept.
Magical Theatre				
99.	2.9.1 (b) Page 15	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.	Please consider the bidder must have completed similar works of 80% of project cost (1work order) 60% of project cost (2work order) 40% of project cost (3work order)	Kindly Refer to S.No. 1 of Annexure-Y for modified clause.
100.	2.14 EMD Page 17	Earnest Money Deposit EMD Exemption shall not be permitted under any circumstances.	Please allow EMD exemption for MSME bidders	No Change, RFP conditions shall prevail.

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion			Revised Clause / response	
101.	6.8 Payment Terms Page 73		Stage	Payment Stage	(% Percentage of	Kindly Refer to S.No. 2 of Annexure-Y for modified clause.	
I	On Submission of Detailed Layout plan, visual design,	10%	II	After approval on Script in	10%		
III	Supply of Hardware as per BOQ	40%	IV	On installation of Hardware at site	10%		
V	On successful trail run in first language.	10%	VI	On successful trail run in second language with changes suggested by concerned authority	10%		
VII	On every 3 months of Operation & Maintenance. (Equally divided in 5 years including DLP period)	10%					
102.	S No: 12 Page 59	Bill of Quantities Media Management Server	Please consider Dataton (Watchout) as approved make				Kindly refer to S.No. 84 of Annexure-X.
103.	General Query		There have been many projects in the past where documents & Credentials of other companies used for getting maximum markings and to qualify for the project. However, after getting the project the bidder will not used the services of the professionals which were proposed at the time of the bidding. So, the queries are:				No Change, RFP conditions shall prevail.

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

Sr.	Reference in document	Existing Clause	Point for clarification/ suggestion	Revised Clause / response
			<ol style="list-style-type: none"> 1. Please make sure that the selected bidder should use the services of the professionals which they proposed in their bid. 2. Also, please clarify that the prime bidder is eligible without having even one similar project in their own name? The Prime Bidder must be from the same line of business. 	

Annexure-Y

S. No.	Clause Reference/ Page No	Previous Clause	Revised Clause																																							
1.	2.9.1(b), Page 15	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.	The bidder should have completed atleast, Two Eligible Projects of more than INR 4.2 Crore or One Eligible Project of more than INR 6.7 Crore in the last five years preceding the date of the issue of this RFP.																																							
2.	6.8 Page 72	<p>Terms of Payment:</p> <table border="1"> <thead> <tr> <th>Stage</th> <th>Payment stage</th> <th>Payment Schedule</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>Mobilization Advance</td> <td>Not Applicable</td> </tr> <tr> <td>M 2</td> <td>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. The payment for M2 will be released against the submission of the bank guarantee.</td> <td>10% of financial quote of the applicant</td> </tr> <tr> <td>M 3</td> <td>Completion of Audio-Video Production</td> <td>10% of financial quote of the applicant</td> </tr> <tr> <td>M 4</td> <td>Physical supply of material on site.</td> <td>20% of financial quote of the applicant</td> </tr> <tr> <td>M 5</td> <td>Installation and trial run of content - 1</td> <td>10% of financial quote of the applicant</td> </tr> <tr> <td>M 6</td> <td>Commissioning of Project after taking in suggestions after review from client and making</td> <td>10% of financial quote of the applicant</td> </tr> </tbody> </table>	Stage	Payment stage	Payment Schedule	M1	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. The payment for 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 of content - 1	10% of financial quote of the applicant	M 6	Commissioning of Project after taking in suggestions after review from client and making	10% of financial quote of the applicant	<table border="1"> <thead> <tr> <th>Stage</th> <th>Payment stage</th> <th>Payment Schedule</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>Mobilization Advance</td> <td>Not Applicable</td> </tr> <tr> <td>M 2</td> <td>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. The payment for M2 will be released against the submission of the bank guarantee.</td> <td>10% of financial quote of the applicant</td> </tr> <tr> <td>M 3</td> <td>Physical supply of material on site.</td> <td>40% of financial quote of the applicant</td> </tr> <tr> <td>M 4</td> <td>Installation and trial run of content - 1</td> <td>10% of financial quote of the applicant</td> </tr> <tr> <td>M 5</td> <td>Commissioning of Project after taking in suggestions after review from client and making desired modifications for Content - 1</td> <td>10% of financial quote of the applicant</td> </tr> </tbody> </table>	Stage	Payment stage	Payment Schedule	M1	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. The payment for M2 will be released against the submission of the bank guarantee.	10% of financial quote of the applicant	M 3	Physical supply of material on site.	40% of financial quote of the applicant	M 4	Installation and trial run of content - 1	10% of financial quote of the applicant	M 5	Commissioning of Project after taking in suggestions after review from client and making desired modifications for Content - 1	10% of financial quote of the applicant
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S. No.	Clause Reference/ Page No	Previous Clause		Revised Clause			
			desired modifications for Content -1		M 6	Installation and trial run of content - 2	10% of financial quote of the applicant
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		C 1 & C 2	Operation & Maintenance. 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.	20% will be released during the O&M period on a half-yearly basis over a period of 5 years.	C 1 & C 2	Operation & Maintenance. 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.	10% will be released during the O&M period on a half-yearly basis over a period of 5 years.
		Retention Money: - 5 % percent of each Interim Payment certificate will be deducted as retention money. The retention money shall be returned in two parts – a. 50 (%) percent of the amount will be paid after expiry of DLP services from date of issuance of commissioning certificate. b. 50 (%) percent of the amount will be paid after expiry of 30 months of O&M services from date of issuance of commissioning certificate.		Retention Money: - 5 % percent of each Interim Payment certificate will be deducted as retention money. The retention money shall be returned in two parts – c. 50 (%) percent of the amount will be paid after expiry of DLP services from date of issuance of commissioning certificate. d. 50 (%) percent of the amount will be paid after expiry of 30 months of O&M services from date of issuance of commissioning certificate.			
3.		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: 5000: 1, Motorized horizontal and vertical lens offset, should have inbuilt blending and wrapping capabilities, Inputs:		Supply, Installation, Testing and Commissioning of Projector Dust-sealed 3- chip DLP Technology, 4K Native Resolution: 30,000 ANSI lumens with tolerance of +/- 5% , RGB Laser Digital projector with 20000 Hrs or more Illumination lifetime, Minimum Contrast Ratio ranging from 2000:1 to 5000: 1 , Motorized horizontal and vertical lens offset, should have inbuilt blending and wrapping capabilities, Inputs: HDMI/DVI, DP ports Analog			

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S. No.	Clause Reference/ Page No	Previous Clause	Revised Clause		
			M 7	Satisfactory commissioning of the project for Content – 2 (Both Languages) Programming, system integration of sound, lighting and the content generated Commissioning and other related misc. works.	D + 26 Weeks
			C 1	Defect Liability Period	C + 1 Year
			C 2	Operation & Maintenance	C + Year
<p>* 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 show.</p>					

