

# **Department of Art, Culture & Youth, Govt. of Bihar, Patna**

## **SHORT NOTICE INVITING TENDER**

N.I.Q. NO. 1 (DACY)

Department of Art, Culture & Youth, Govt. of Bihar, Patna (DACY) intends to entrust the operation and maintenance of the multimedia Laser Shows being shown inside the Golghar, Patna. The work of multimedia based Laser Show was completed in May 2015 and the show is operational at present.

DACY invites sealed quotation from the qualified agencies for operations and annual maintenance of the multimedia based Laser Show installed inside the Golghar for 3 years.

<b>Sr. No.</b>	<b>Description of Work</b>	<b>Quoted Annual Rate (in Rs) including all taxes.</b>
1.	Operations and maintenance of multimedia based regular laser show, annual maintenance contract (AMC) including the personnel and technician cost which may be required for content creation/operation and maintenance.	

### **Eligibility Criteria**

1. The annual average turnover of agency should have 30 lakh for last three financial years.
2. The agency should be in existence not less than five years.
3. The agency should have successfully completed and running at least three Laser/Multimedia Projects out of which two projects should have been completed in last three years.
4. The agency should have completed at least one project of the value above Rs. 40 Lakhs in last five years.

### **The detailed Quotation form can be downloaded from the website [yac.bih.nic.in](http://yac.bih.nic.in):-**

The Quotation and accompanying documents are to be submitted at the office of the Director, Archaeology, Department of Art, Culture & Youth, Govt. of Bihar, Patna not later than 3.11.2016 on 3:00 p.m. and the Quotations will be opened on the same day at 5:00 p.m. in presence of bidders or their authorized representatives. Last date of the submission of Quotations : 3.11.2016.

DACY reserves the right to accept or reject any bid or the whole process without assigning any reason.

**Director  
Archaeology, Bihar**

## **Background:-**

The work of the Laser Show to be shown inside the Golghar was completed in January, 2015 and the show is operational at present.

The materials and equipment for Laser Show were supplied and installed in January, 2015. The show is being displayed inside the Golghar, projected over the dome shaped walls.

The Laser Show was inaugurated by Hon'ble Chief Minister of Bihar, Mr. Nitish Kumar on the 15<sup>th</sup> of May 2015 and since then it has been running every day with very good participation and appreciation by the audience which includes dignitaries, distinguished personalities and common men. Also the inflow of visitors to the Golghar increased substantially since the running of Laser Show after inauguration.

## **Scope of Operation and Maintenance Work:**

Scope of work can be divided into two parts:-

### **A. Daily Operations**

- i) Daily running of Laser Show (Seven Shows per day).
- ii) Providing Headphones to the viewers before the show and collection of the same after each show.
- iii) Helping the viewers to choose the language (Hindi or English) in the wireless receivers.
- iv) Charging the batteries of wireless receivers.
- v) Guide the viewers in case of any emergency (like power failure, fire or any such incidents.)

### **B. Regular maintenance of equipment/machine/software/hardware under AMC**

- i) Laser machines which include its cards, drivers, scanners, green, blue and red lasers including thermos-electric coolers and fans. All equipment have been imported from Hungary, Europe and will need to be sent for repairs to the parent company/manufactures as there are no service centres in India.
- ii) Audio Systems, Wireless Transmitters, Wireless Receivers, Headphones.
- iii) Battery Charging Units for Wireless Receivers and Transmitters.
- iv) Computers, software and hardware including virus upgrades.
- v) Laser Drivers (Pangolin) and related software upgrades imported from the USA.
- vi) UPS and Serve Stabilizers.
- vii) LED Bulbs used for lighting the Golghar.
- viii) Wiring system
- ix) Content upgrade to bring newness in the show from time to time.

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Specification (if any)</b>	<b>Make</b>	<b>Qty</b>	<b>Manufacturing Year</b>
1.	Laser Equipment	<ul style="list-style-type: none"><li>• 10W RGB Laser Projector</li><li>• Wavelength: Red-638nm/</li></ul>	RGB Laser Systems,	02	December, 2014

		<p>Green- 520nm/ Blue- 450nm</p> <ul style="list-style-type: none"> <li>• Output Power: Red- 4W/ Green- 2W/ Blue- 4W</li> <li>• Beam size: 5x5 mm</li> <li>• Full beam size: 25m:35mm</li> <li>• Beam divergence: 1.2 m Rad</li> <li>• Polarization : H &amp; V</li> <li>• Analog Modulation : 50000 Hz</li> <li>• Operating Voltage: 94 V- 240 V</li> <li>• Scanner Type: CT6215HP</li> <li>• ILDA interface (adjustable laser power and image size)</li> <li>• Safety protection (in accordance with CE/CDRH standars) key swith, safety shutter &amp; remote interlock</li> <li>• SMARLAS technology: settings can be adjusted via WiFi</li> <li>• Integrated PASS card (professional audience scanning system)</li> <li>• Integrated laser show controller</li> <li>• IP 67 rated rigid enclosure for outdoor use</li> </ul>	Denmark, Europe		
2A.	Clean power equipment	<ul style="list-style-type: none"> <li>• 10kva pure sinewave UPS with 2 hours of minimum power backup, 360 V DC</li> </ul>	<p>Make- ACPL, New Delhi, India</p> <p>Rating : 10KVA (Air Cooled)</p> <p>Range: 130-280V</p> <p>OUTPUT Voltage: 220V +/-1% (with high/low cut &amp; over load protection)</p>		
2B	Clean Power Equipment	<ul style="list-style-type: none"> <li>• 10 KVA servo stabilizer</li> </ul>	<p>Make- ACPL, New Delhi, India</p> <p>OUTPUT : True sine wave Technology: IGBT High Frequency</p>	01	December, 2014
3A	Wireless Headset System	<p><b>Receiver</b></p> <ul style="list-style-type: none"> <li>• Modulation- 2FSK</li> <li>• HF frequency range- 863:865 MHz</li> </ul>	Sennheiser electronic Germany or equivalent	30	December, 2014

		<ul style="list-style-type: none"> <li>• Channels-6</li> <li>• Frequency response: 100-7000 Hz</li> <li>• Headphone output- Max. 10mW/32 O</li> <li>• Min. Headphone impedance- 32O</li> <li>• THD at 1 KHz-&lt;1% bei 10 mW</li> <li>• Operating time: approx. 12 Hrs or above</li> <li>• Power supply: Lithium polymer battery, 1500 mAH or above. Suitable stereo wired headphone : 3.5 mm jack</li> </ul>			
3B	Wireless Headset System	<b>Transmitter</b> <ul style="list-style-type: none"> <li>• Modulation : 2FSK</li> <li>• RF frequency range: 863-865 MHz</li> <li>• Channels: 6</li> <li>• Frequency response : 100-7000 Hz</li> <li>• Max. mic/line input voltage microphone : 650 mVrms,</li> <li>• Line: 2Vrms</li> <li>• Typical operating time : 8 Hrs minimum</li> <li>• Power supply : 2xAA size batteries Li-ion, 1.5 V</li> <li>• Range : Line of sight : up to 80 meter or above, with obstacles : up to approx 40 meter or above</li> </ul>			
3C	Wireless Headsets System	<ul style="list-style-type: none"> <li>• Charging unit for transmitter and receiver units. Should be capable of charging 15 receivers and 2 transmitters at any given point of time.</li> </ul>	Sennheiser electronic, Germany or equivalent	01	December, 2014
4	Computer Hardware	<ul style="list-style-type: none"> <li>• Intel 3.5 GHz LGA 1150 4770K i7 or above processor: 1 Nos.</li> <li>• Intel DZ87KLT75K or above 4th Generation Motherboard- 1 Nos.</li> <li>• NVIDIA GTX650 2GB or above Graphics Cards : 1 Nos.</li> <li>• 500 watt SMPS: 1 Nos.</li> <li>• 8 GB DDR3 RAM: 1 Nos.</li> <li>• DVD Burner Internal Optical Drive : 1 Nos.</li> <li>• PCI Express Internal Sound Card : 2 Nos.</li> <li>• Compatible Keyboard and Mouse: 1 Nos.</li> </ul>	Intel, USA or equivalent	01	December, 2014

		<ul style="list-style-type: none"> <li>• Suitable ATX cabinet : 1 Nos.</li> <li>• 6 Port Hub : 1 Nos.</li> </ul>			
5	Laser Designer System	<ul style="list-style-type: none"> <li>• The QM2000.net system with 512 MB memory for the QM2000 with Laser show Designer 2000 Professional software.</li> </ul>	Pangolin, USA	02	
6	Operating System	<ul style="list-style-type: none"> <li>• Windows 7 professional 64 Bit</li> </ul>	Microsoft, USA	01	
7	Content Upgrade	<ul style="list-style-type: none"> <li>• Upgrade of content from time to time based on viewers feedback and based on DOA feedback.</li> </ul>	A team of professors, script writers, VO narrators, music composers and laser animators and laser programmers.	One every six months	
8	Operations	<ul style="list-style-type: none"> <li>• Operations of regular laser show including the personnel and technician cost for content creation and operations maintenance for the work specified as follows: <ul style="list-style-type: none"> <li>✓ Daily running of Laser Show (7 shows per day).</li> <li>✓ Providing Headphones to the viewers before the show and collection the same after the show.</li> <li>✓ Helping the viewers to choose the language (Hindi or English) in the wireless receivers.</li> <li>✓ Charging the batteries of wireless receivers.</li> <li>✓ Guide the viewers in case of any emergency (like power failure, fire or any such incidents.)</li> </ul> </li> </ul>	Professionals with permanent office in Patna with experience of handling large laser shows.	Daily	

**Documents to be submitted along with tender for Qualifying:**

1. Name and address of the contractor :
2. Mobile No. :
3. Email Id:
4. Registration No. :
5. The annual average turnover of agency should have Rs. 30 Lakhs for last three financial years.
6. The agency should be in existence not less than five years.
7. The agency should have the experience of successfully completing and running at least three laser/multimedia projects out of which two projects should have been completed in last three years.
8. The agency should have completed at least one project of the value above Rs. 40 Lakh in last five years.
9. I.T. filling evidence (of at least three years)
10. Audit account of the firm of last three years.
11. Sales tax registration No.
12. Earnest money of Rs. 50,000/-
13. Labour License No. \_\_\_\_\_ year \_\_\_\_\_ Valid upto \_\_\_\_\_

**Signature of Contractor**

## **Special Conditions of Contract:**

1. All equipment provided by the agency shall be of proven efficiency and shall be operated and maintained at all times in a manner acceptable to the Engineer-in-Charge.
2. No equipment or personnel will be removed from site without permission of Engineer-in-charge.
3. The bidder must inspect the site before going in for bidding.
4. Equipment/Items mentioned in the bill of quantities may decrease/increase.
5. 15% of the amount on which the successful bidding is materialized, will have to be deposited as the Security deposit/performance guarantee deposit.
6. In case of successful bidder the amount of the earnest money will be transferred to the initial security deposit (Performance Guarantee) and balance amount will be deposited by Contractor to cover up five percent (5%) performance guarantee before execution of the agreement and further five percent (5%) security deposit (performance guarantee) will be deducted from each running bill.
7. Quoting rate for each item separately will be liable for rejection unless otherwise specifically asked for.
8. Conditional Quotation shall be otherwise rejected.
9. In the event of the Quotation being submitted by a firm it must be signed by each member or by a person holding the power of attorney authorizing him to do so. The partnership deed of the firm should be enclosed in the quotation, lacking which the quotation will be rejected.
10. No claim shall be entertained due to rise in price of lubricants and spare parts of vehicles in taxes by Government or cost of labour or any materials or others cost.
11. The condition advertised in newspaper will be a part of agreement.
12. Before running the material in works, sample of materials are got to be approved by DACY.
13. The successful bidder shall have to abide by the Labour Act and minimum wages act, MVI Act enforced in the area from time to time.
14. The selected bidder shall make adequate arrangement for the safety of the labourers during execution the works. He will be responsible for accident, if occurs at his work site. Adequate compensation for the same will have to be paid by him as decided by competent authority.
15. In the event of any loss of the Government articles the value of the articles shall be recoverable from the contractor.
16. After completion of the work the successful bidder will remove all debris at his own cost and clear the site.
17. The department reserves the right to decrease or increase the quantity of the equipment and facilities. Payment will be made on the basis of actual measurement as per agreement rate.
18. Any omission or error arising out of the slip of typing mistake or clerical error in specification, language, quantity and rate in the B.O.Q. shall not have adverse effect.
19. Sales tax and income tax certificates as well as Sales tax and Registration nos., are to be submitted along with the quotation, otherwise the quotation will be declared invalid.
20. The terms and conditions stated in the detailed quotations documents (detailed N.I.T., B.O.Q. special conditions) etc. together with the conditions will form the basis of contract.

**Director**  
Archaeology, Bihar.