

DOC - 4

## NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

DEPARTMENT OF CENTRE FOR SYSTEM DESIGN

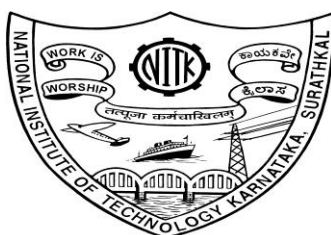
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### NOTICE INVITING QUOTATION

Notification. No:NITK/CSD/2023/Video Colour/ KVG-04

Dated:06-10-2023

<b>Name of Goods</b>	Colour correction, ambient light adjustment, eye level adjustment & related edits, Special audio recording & overlay, Narrative mix match.
<b>Estimated Amount:</b>	₹ 20,000 (Including GST) per Minute
<b>Time for Supply of item after release of Work order</b>	1 Week
<b>Document Download / Sale Start Date</b>	06-10-2023 @4.30PM
<b>Clarification Start Date</b>	06-10-2023 @4.30PM
<b>Clarification End Date</b>	16-10-2023 @1.30 PM
<b>Bid Submission Start Date</b>	06-10-2023 @4.30PM
<b>Last Date for submission of bids</b>	16-10-2023 before 1.30 PM
<b>Bid Opening Date</b>	16-10-2023 @2.00 PM
<b>Address for Submission of bids</b>	Dr. K V Gangadharan CSD coordinator, H.O.D NITK Surathkal – 575025 (M): 9448478752, <a href="mailto:kvganga@nitk.edu.in">kvganga@nitk.edu.in</a>

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dated:06-10-2023

**NOTICE INVITING QUOTATION (NIQ)**

The National Institute of Technology Karnataka, Surathkal (in short – NITK, Surathkal) is an Institute Of National Importance Under Ministry of Education Govt of India, imparting Technical Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities.

Sealed Quotations as per the Price Schedule given in this NIQ are invited for the following items subject to the terms and conditions, from the reputed manufacturers or its authorised dealers so as to reach on or before scheduled date and time. The quotations in the firm's Business letter head should be address to the "Director, NITK, Surathkal". The envelope shall be superscribed with the Quotation Notification Number and the Name of the Goods for which quotation is submitted.

<b>Name of Goods</b>	<b>Colour correction, ambient light adjustment, eye level adjustment &amp; related edits, Special audio recording &amp; overlay, Narrative mix match.</b>
<b>Estimated Amount:</b>	<b>₹ 20,000 (Including GST) per Minute</b>
<b>Time for Supply of item after release of Purchase order</b>	<b>1 Week</b>
<b>Document Download / Sale Start Date</b>	<b>06-10-2023 @4.30PM</b>
<b>Clarification Start Date</b>	<b>06-10-2023 @4.30PM</b>
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**Sd/-**  
**[HOD]**

Note: Institute shall not be responsible for any postal delay about non-receipt /non-delivery of the bids or due to wrong addressee

## **SECTION-1**

### **Terms and Conditions**

1. The rates should be quoted for preferably FOR destination from supply within India.
2. The bidder shall indicate the excise duty exemption for the goods if applicable.
3. The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any. The rate should be quoted in INR only
4. Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
5. Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.
6. Guarantee/Warranty period should be specified for the complete period should be specified in section 3 of this tender document.
7. Period requirement for the supply and installation of item should be specified in section 3 of this tender document.
8. In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

## SECTION-2

### **SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS**

[ To be filled up by the Department / Centre of NITK, Surathkal ]

Item(s) Name to be Procured : Colour correction, ambient light adjustment, eye level adjustment & related edits, Special audio recording & overlay, Narrative mix match.

Brief Specifications of the Item(s) : **Attached in Annexure I**  
(Attach Additional Sheet if necessary)

Quantity : 10 minutes ( actual time will be depends on the script)

Any other details / requirement : Nil

Warranty Period required : Nil

Delivery Schedule expected

after placement of Work order : Immediate

### **SECTION 3 PRICE SCHEDULE**

[ To be used by the bidder for submission of the quotation]

1. Item Name :
2. Specifications  
(Conforming to Schedule of requirements  
Enclose additional sheets if necessary) :
3. Currency and Unit Price :
4. Quantity :
5. Item Cost (Sl No. 3 \* Sl. No. 4 ) :
6. Taxes and Other Charges :  
(i) Specify the type of taxes and  
duties in percentages and  
also in figures.  
(ii) Specify Other Charges in figures.
7. **Warranty Period** :  
**(Conforming to the**  
**Schedule of**  
**requirements)**
8. Delivery Schedule :  
(Conforming to the Schedule of requirements)
9. Name and address of the Firm for :  
placing work order
10. Name and address of Indian authorized  
agent ( in case of imports only) :

**Signature of the Bidder:** \_\_\_\_\_

**Name and Designation:** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

**Date:**  
**Place:**

**Seal of the Bidder's Firm**

**SECTION 4 CONTRACT FORM**

[ To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide by the delivery schedule mentioned in this document for supply of the items if the work order is awarded.
2. The item will be supplied conforming to the specifications stated in this document without any defect and deviations.
3. Warranty will be given for the period mentioned in this document and service will be rendered to the satisfaction of NITK, Surathkal during this period.

**Signature of the Bidder:** \_\_\_\_\_

**Name** : \_\_\_\_\_

**Business Address** : \_\_\_\_\_

**Date :**

**Place :**

**Seal of the Bidder's Firm**

## Annexure I

### Specifications

Colour correction, ambient light adjustment, eye level adjustment & related edits, Special audio recording & overlay, Narrative mix match.

#### **Color Correction:**

1. Consistent Color Grading: Ensure consistent color grading across all scenes to maintain visual coherence
2. White Balance: Adjust white balance to account for variations in lighting conditions
3. Exposure: Correct exposure discrepancies between different shots to prevent overexposed or underexposed areas
4. Color Matching: Match colors between adjacent scenes or shots for a seamless transition
5. Saturation and Contrast: Adjust saturation and contrast to enhance visual appeal while maintaining a natural look

#### **Ambient Light Adjustment:**

1. HDR Capture: Capture high dynamic range (HDR) imagery to preserve details in highlights and shadows
2. Shadow Enhancement: Enhance shadow details without overexposing highlights
3. Gradient Filters: Use gradient filters or masks to balance lighting across the 360-degree field of view

#### **Eye Level Adjustment:**

1. Maintain Viewer Engagement: Ensure that the primary subject or point of interest is positioned at eye level or slightly above to maintain viewer engagement
2. Seamless Transitions: When transitioning between scenes, aim for smooth adjustments in the viewer's perspective to minimize disorientation
3. Camera Rigging: Use specialized camera rigs or mounts to capture scenes from different angles and perspectives while maintaining stability

#### **Spatial Audio Recording and Overlay:**

1. Sound Design: Overlay audio elements in post-production to match the direction and intensity of the visual content
2. Audio Stitching: Seamlessly blend audio tracks when transitioning between scenes to avoid jarring audio shifts

#### **Narrative Mix and Match:**

1. Storyboarding: Plan the narrative structure carefully, considering how the viewer's attention will be guided through the 360-degree environment and finalize as per approval by NITK personnel
2. Audio Narration: Integrate narrative elements through audio commentary or voice overs that guide the viewer's attention
3. Subtitles and Annotations: Use on-screen subtitles or graphical annotations to direct the viewer's focus or provide additional context

### **Post-Production Workflow:**

1. Specialized Software: 360-degree video editing software, which can handle spherical video editing
2. Seamless Stitching: Ensure that video stitching between multiple cameras is imperceptible to create a coherent 360-degree view
3. Audio Synchronization: Precisely synchronize spatial audio with the visual content, accounting for delays and spatial positioning
4. Quality Control: Review the video in a VR headset to identify and address issues as recommended by NITK personnel in charge of the project

### **Viewer Experience Testing:**

1. User Testing: Conduct user testing with a diverse audience to gather feedback on the 360-degree video experience
2. Iterative Editing: Use feedback to make iterative improvements to the video's color correction, audio, and narrative elements