

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE  
2A & 2B Raja S.C. Mullick Road, Jadavpur, Kolkata – 700032

Ref. No.: SPS/DM/19-20/94-1

Date: 15-01-2020

**CORRIGENDUM NOTICE No.- I**

**NIT No. IACS/SPS/DM/2019-20/94**

Date: 30-12-2019

Based on the discussion in the pre-bid meeting held on January 13, 2020 in Raychoudhuri Hall, the Technical committee modified few specifications for “**High Speed Infrared Camera with Macro Lens**”

Since no tenders have been received till date and the corrigendum notice is being published on 15-01-2020, it has been decided to defer the last date and time of submitting tender as follows :-

| <b>Tender Notice No.</b>                         | <b>Published</b>          | <b>Modified</b>           |
|--------------------------------------------------|---------------------------|---------------------------|
| Last date and time of submitting tender          | 20/01/2020 within 2.00 PM | 27/01/2020 within 2.00 PM |
| Date and time of opening tender (Technical Bids) | 20/01/2020 at 4.00 PM     | 27/01/2020 at 4.00 PM     |

**Technical Specifications for High Speed Infrared Camera with Macro Lens:**

|                               | <b>Published</b>                                                                                                                                                                                                                                                                                                      | <b>Modified</b>                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Detector resolution           | 640 x 480 (307,200 pixels) or greater                                                                                                                                                                                                                                                                                 | 640 x 480 (307,200 pixels) or greater at 50-60 Hz on entire Ethernet streaming                                                                                                                                                                                                                                                                                                      |
| Accuracy                      | ± 2 °C or ± 2 % of reading                                                                                                                                                                                                                                                                                            | ± 2 °C or ± 2 % of reading on entire range<br>(proven in software without frame multiplication)<br><br>NIST/NABL/Equivalent Calibration Certificate should be provided.                                                                                                                                                                                                             |
| Temperature measurement range | Minimum (-40 °C to -10 °C) to maximum (+1200 °C)                                                                                                                                                                                                                                                                      | 0 °C to 1200 °C                                                                                                                                                                                                                                                                                                                                                                     |
| Software                      | Software shall be license free and all upgrades for the software to be provided free of cost.<br>The Software shall have minimum of the following features: <ul style="list-style-type: none"><li>• Complete Analysis of the Thermal Imager</li><li>• Capability to add comments &amp; remarks in the Image</li></ul> | Software shall be license free and all upgrades for the software to be provided free of cost.<br>The Software shall have minimum of the following features:<br>The Software shall have minimum of the following features: <ul style="list-style-type: none"><li>• Complete Analysis of the Thermal Imager</li><li>• Capability to add comments &amp; remarks in the Image</li></ul> |

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|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       | <ul style="list-style-type: none"> <li>• IR Analysis of the Thermal Images</li> <li>• Generate Reports automatically</li> <li>• Add visual images in the Reports</li> </ul>                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>• IR Analysis of the Thermal Images</li> <li>• Generate Reports automatically</li> <li>• Add visual images in the Reports</li> </ul> Firmware upgrades to be performed free of cost                                                                                                                                                                                                                                                                                                                   |
| Camera focus and digital zoom options | Focus and digital zoom should be adjustable remotely through software by external controller                                                                                                                                                                                                                                                                                                                                          | Focus and digital zoom should be adjustable remotely through software by external controller/Motorized focus                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Video recording                       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                   | Radiometric video to be captured and converted to MPEG or AVI format via software                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Color Palettes                        | 8 no of palettes                                                                                                                                                                                                                                                                                                                                                                                                                      | Minimum 6 color palettes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Color alarms                          | Temperature alarms                                                                                                                                                                                                                                                                                                                                                                                                                    | Temperature alarms/Isotherms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Accessories to be Included</b>     | Antenna                                                                                                                                                                                                                                                                                                                                                                                                                               | Not mandatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Warranty</b>                       | <p>The <b><u>High Speed Infrared Camera with Macro Lens</u></b> shall be under warranty for trouble free performance and against any defects in materials, workmanship, design and for any abnormal behavior for a minimum period of 1 year while 3 years extendable warranty is preferred for all parts and labor. The warranty period will commence from the date of certification of successful installation of the equipment.</p> | <p>The <b><u>High Speed Infrared Camera with Macro Lens</u></b> shall be under warranty for trouble free performance and against any defects in materials, workmanship, design and for any abnormal behavior for a minimum period of <b>2 years</b> while 3 years extendable warranty is preferred for all parts and labor. The warranty period will commence from the date of certification of successful installation of the equipment.</p> <p>Warranty certificate to be certified by OEM or verifiable online in the website of OEM.</p> |

**Acting Registrar**