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Government eProcurement System		Published Corrigendum Details			
		Date : 04-Dec-2020 11:06 AM			
		 Print			
<b>Organisation Chain :</b>	Council of Scientific and Industrial Research  CSIO-Chandigarh - CSIR  Purchase-CSIO - CSIR				
<b>Tender ID :</b>	2020_CSIR_62025_1				
<b>Tender Ref No :</b>	CSIO/3(16)2020-Pur				
<b>Tender Title :</b>	CSIO/3(16)2020-Pur				
<b>Corrigendum Type :</b>	Technical Bid				
<b>Corrigendum Document Details</b>					
Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size (in KB)
1	CSIO-3-16-2020	Change in specifications, date and time for submission of opening of tender for procurement of Thermal/IR Camera System Handheld (Biomedical Application) as per enclosed document	04-Dec-2020 11:06 AM	Amendment3162020.pdf 	845.61

 <p><b>Government eProcurement System</b></p>	<p><b>Government eProcurement System</b></p> <p><b>Published Corrigendum Details</b></p>	<p>Date : 04-Dec-2020 11:17 AM</p> <p style="text-align: right;"> Print</p>
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<b>Tender ID :</b>	2020_CSIR_62025_1
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**Corrigendum:1**

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**Critical Dates**

<b>Publish Date</b>	11-Nov-2020 04:30 PM	<b>Bid Opening Date</b>	15-Dec-2020 03:30 PM
<b>Document Download/Sale Start Date</b>	11-Nov-2020 04:30 PM	<b>Document Download/Sale End Date</b>	14-Dec-2020 03:00 PM
<b>Clarification Start Date</b>	11-Nov-2020 04:30 PM	<b>Clarification End Date</b>	11-Dec-2020 05:00 PM
<b>Bid Submission Start Date</b>	11-Nov-2020 04:30 PM	<b>Bid Submission End Date</b>	14-Dec-2020 03:00 PM

**Details Before Corrigendum**

<b>Critical Dates</b>			
<b>Publish Date</b>	11-Nov-2020 04:30 PM	<b>Bid Opening Date</b>	09-Dec-2020 03:30 PM
<b>Document Download/Sale Start Date</b>	11-Nov-2020 04:30 PM	<b>Document Download/Sale End Date</b>	08-Dec-2020 03:00 PM
<b>Clarification Start Date</b>	11-Nov-2020 04:30 PM	<b>Clarification End Date</b>	07-Dec-2020 05:00 PM
<b>Bid Submission Start Date</b>	11-Nov-2020 04:30 PM	<b>Bid Submission End Date</b>	08-Dec-2020 03:00 PM



सीएसआईआर – केन्द्रीय वैज्ञानिक उपकरण संगठन

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)

सैक्टर-30 सी, चण्डीगढ़ (भारत)

CSIR-Central Scientific Instruments Organisation

(Council of Scientific & Industrial Research)

Sector 30-C, Chandigarh (India)

www.csio.res.in



PURCHASE SECTION

No. CSIO/3(16)/2020-Pur

December 04, 2020

AMENDMENT

Subject: Procurement of Thermal/IR Camera System Handheld (Biomedical Application) - Change in Specifications thereof.

It has been decided to revise the specifications for Thermal/IR Camera System Handheld (Biomedical Application) of our E-Tender published vide Tender ID No. 2020\_CSIR\_62025\_1 dated 11<sup>th</sup> November, 2020. The revised specifications are enclosed.



The date for submission & opening may also be read as under:-

Date for submission of Tender : 14<sup>th</sup> December, 2020 (upto 3.00 P.M.)

Date for opening of Tender : 15<sup>th</sup> December, 2020 (at 3.30 P.M.)

The bidders who have already submitted their online offers are requested to go through the revised specifications & may submit their offer accordingly.

Other specifications, terms & conditions will remain the same.

  
4/12/20  
(B.K. Bhatnagar)  
Section Officer (S&P)  


**Thermal / IR Camera System Handheld (Biomedical Application) Technical Specifications**

**Camera Specification**

Handheld Infrared thermal camera (complete system with power supply, thermal image/video acquisition & analysis software, Lens, PC based programmable interface, tripod, camera case and suitable cables etc.) with following specifications. The camera should conform to relevant international standards. Calibration/test certification should have NIST traceability and is required to be attached with the quotation

1.	Detector type	Focal plane array (FPA), uncooled microbolometer
2.	Spectral range	7.5–14 $\mu\text{m}$ or better
3.	Image Resolution (Thermal Pixels)	640x480 or better without any software enhancement.
4.	Temp. Measurement range	- 20°C to 1500°C or better
5.	Thermal sensitivity	30mk with 42 deg. Lens or better with standard lens
6.	lens viewing angle	42 Degree or better
7.	Lens connection	Interchangeable with Auto identification (Lens should be interchangeable without need to calibration- Declaration should be given by the OEM )
8.	Connectivity / Computer interface	Bluetooth, Wi-Fi and USB/GigE
9.	Input electric supply	230 VAC, 50 Hz, India
10.	Display in build	Touch screen or TFT display with Joy stick control, at least 4" or better
11.	Image refresh rate	30 Hz or better
12.	Visual Camera	5MP or better
13.	Technical analysis tool	Laser distance & area measurement tool
14.	Alarm	Audible and visual
15.	Screening mode (Human Skin temperature screening)	Should be available with accuracy $\pm 0.3\text{deg.c}$ or better
16.	Viewing Mechanism	Rotatable lens atleast 180 deg OR tilt able TFT display, at least 170° rotation and 280° tilt or better
17.	Digital zoom	1-8x digital zoom or better
18.	Image type	.jpeg radiometric format direct without any external software

19.	Battery back up	Atleast 4 hours or better, One standby battery must be provided.
20.	Storage capacity	Atleast 64GB SD Card or internal memory or better
21.	Environmental condition (Storage temperature)	-40 deg upto 65deg. C or better
22.	Environmental condition (Operating temperature)	-15 to 50 deg. Or better
23.	Analysis and control software features ( <b>Two Licences</b> )	<p>Latest version of software is to be provided</p> <ul style="list-style-type: none"> <li>• Facility to view, record and store images, start/stop recording options</li> <li>• Mathematical processing toolbox along with advanced image filtering toolbox</li> <li>• Should able to export images and results to bitmap, video, Excel, MATLAB or CSV Format</li> <li>• Image processing/analysis features like Spot, Line, Area, isotherm display</li> <li>• Radiometric features, time-temperature plots for live images or recordings</li> <li>• SDK for MATLAB and LabVIEW</li> </ul>
24.	Lens (01 No)	<ul style="list-style-type: none"> <li>• 24 deg. Lens</li> </ul>
25.	Other terms:	<ul style="list-style-type: none"> <li>• Warranty: Atleast 2 years warranty on product and 8 years on thermal detector</li> <li>• Training by a certified thermographer is to be provided at CSIO Chandigarh</li> <li>• Calibration checking facility and service centre should be available in India at respective service centre. (Declaration should be given by OEM)</li> <li>• If required, the vendor should be able to demonstrate the quoted camera at CSIR-CSIO, Chandigarh</li> </ul>