

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 13:00:00
Bid Opening Date/Time	27-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Technology (iit)
Office Name	Bhilai
Total Quantity	1
Item Category	thermal imager
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No
Estimated Bid Value	290000

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### Thermal Imager ( 1 pieces )

#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
LENS MEASUREMENTS FEATURES	Horizontal Field of View of Standard lens (degree)	41-50	*
	Vertical Field of View of Standard lens	35-40	*
	<b>Horizontal Field of View of Telephoto lens</b>	NA	NA
	<b>Vertical Field of View of Telephoto lens</b>	NA	NA
	IFOV of Standard lens (mRad)	4	*
	<b>IFOV of Telephoto Lens (mRad)</b>	NA	NA
	IFOV of (Spatial resolution) (mRad)	2.09	*
PERFORMANCE FEATURES	Type	Hand held	*
	<b>Detector Resolution (minimum) (pixel)</b>	19000	19000
	<b>Temperature Range of Objects (Degree Celsius)</b>	-20 to +500	-20 to +500
	<b>Temperature measuring accuracy of reading (or better)</b>	± 2% oC	± 2% oC
	<b>Minimum Focus distance</b>	65	65.0
	Image capture frequency/ frame rate (Hz)	$N \geq 9$	*
	Image Detector Type	Focal Plane Array (FPA) Uncooled Micro bolometer (for fever measurment & animal husbandry thermal imager)	*
	<b>Thermal sensitivity (NETD)</b>	0.1	0.1
	User selectable Emissivity setting/correction	Between 0.1 and 1	*
	Infrared spectral band (micrometer)	Between 8 and 12	*
DISPLAY	<b>Image Palettes</b>	3	*
	<b>Display Type</b>	Color LCD	Color LCD
GENERAL FEATURES	<b>Display size</b>	3.5	3.5
	Image capture, review and save mechanism	One handed image capture, review and save capability	*
	Storage medium	Mini SD card	*
	Size of USB stick	2	*
	File formats	JPEG	*
	<b>Built-in digital camera/ Visual Camera Resolution (Mpixel)</b>	$N \geq 1$	$N \geq 1$
	Details of Operating functions	-	*

	Facility for the adjustment/selection of the time/date etc	yes	*
	Interface for image transfer	USB Cable with suitable drivers for downloading to PC	*
	Focus	Manual & Auto	*
	other features	-	*
OPERATING CONDITION	Minimum Operating Temperature	-10	*
	Maximum Operating Temperature	50	*
	Operating Humidity (RH)	95	*
POWER REQUIREMENT	Power Requirements	Battery Operated	*
	chemistry of the battery	lithium ion	*
	Voltage of rechargeable Battery	3.6	*
	Capacity of rechargeable battery (milliAH)	2600	*
	Suitable charger/adaptor provided	yes	*
	Battery Backup	4	*
	Power Management	Automatic shut down /User Selectable	*
	On-screen battery level indicator	yes	*
CERTIFICATION & SAFETY	IP Protection	IP54	*
	Safety certification	UL,CE	*
GENERIC	Size/ dimension	-	*
	Weight (including batteries)	0.575	*
	Automatic active temperature stabilization system of camera	yes	*
	Provision for through-the-lens direct temperature measurement capability	yes	*
TEST REPORT DETAILS & TESTS	The equipment supplied with calibration certificate	yes	*
	conformity to Dry Heat for 16 hrs at a maximum temp in accordance with IS:9000/part-3/section-5/1977 latest	No	*
	conformity to Cold Test for 4 hrs at a minimum temp in accordance with IS:9000/part-2/section-4/1977 latest	No	*
	conformity to Damp Heat (Cyclic)Test for 2 Cycles of 24 h each at a temp of 40 degree C & 95% RH	No	*
	Availability of the test report from Central Govt/ NABL/ ILAC accredited lab to prove	No	*

	conformity to the specification		
	Test Report Number and date for the specification test (not a part of biddable parameter)	-	*
	Name and address of the Lab for the specification test (not a part of biddable parameter)	-	*

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Mohammad Arif Khan	492015,Indian Institute of Technology, Government Engineering College Campus, Sejbahar, Raipur-492015	1	30

#### Bid Specific Additional Terms and Conditions

- 1.The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.  
Applicable Concessional rate of GST : 5%  
Notification No.and date : 45/2017 dated 14/11/2017
- 2.Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
- 3.Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 7 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**