

**Bid Document**

<b>Bid Details</b>	
Bid End Date/Time	22-11-2019 13:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Agriculture And Farmers Welfare
Department Name	Department Of Agricultural Research And Education (dare)
Organisation Name	Indian Council Of Agricultural Research (icar)
Office Name	Central Research Institute For Dryland Agriculture
Total Quantity	1
Item Category	thermal imager
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	Experience with Government
Bid to RA enabled	No

**Thermal Imager ( 1 pieces )**

**Technical Specifications**

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

<b>Specification</b>	<b>Specification Name</b>	<b>Values</b>	<b>Bid Requirement (Allowed Values)</b>
PERFORMANCE FEATURES	Type	Hand held	*
	<b>Detector Resolution (minimum) (pixel)</b>	100000	100000
	<b>Temperature Range of Objects (Degree Celsius)</b>	-20 to + 1200	-20 to + 1200
	<b>Temperature measuring accuracy of reading (or</b>	± 2% oC	± 2% oC

	<b>better)</b>		
	<b>Minimum Focus distance</b>	10	10.0
	Image capture frequency/ frame rate (Hz)	$N \geq 9$	*
	Image Detector Type	Focal Plane Array (FPA) Uncooled Micro bolometer (for fever measurement & animal husbandry thermal imager)	*
	<b>Thermal sensitivity (NETD)</b>	0.05	0.05
	User selectable Emissivity setting/correction	Between 0.1 and 1	*
	Infrared spectral band (micrometer)	Between 8 and 14	*
	Image Palettes	6	*
LENS MEASUREMENTS FEATURES	Horizontal Field of View of Standard lens (degree)	20-25	*
	Vertical Field of View of Standard lens	14-20	*
	<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)	NA	*
	<b>IFOV of Telephoto Lens (mRad)</b>	NA	NA
	IFOV of (Spatial resolution) (mRad)	1.4	*
DISPLAY	<b>Display Type</b>	Color LCD	Color LCD
	<b>Display size</b>	4	4.0
GENERAL FEATURES	Image capture, review and save mechanism	One handed image capture, review and save capability	*
	Storage medium	SD Memory card	*
	Size of USB stick	8	*
	File formats	JPEG	*
	<b>Built-in digital</b>	$N \geq 1$	$N \geq 1$

	<b>camera/ Visual Camera Resolution (Mpixel)</b>		
	Details of Operating functions	-	*
	Facility for the adjustment/ selection of the time/date etc	yes	*
	Interface for image transfer	SD Memory card,Bluetooth,WiFi,US B 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)	3600	*
	Suitable charger/adapter provided	yes	*
	Battery Backup	3.5	*
	Power Management	Automatic shut down /User Selectable	*
	On-screen battery level indicator	yes	*
CERTIFICATION & SAFETY	IP Protection	IP54	*
	Safety certification	CE	*
GENERIC	Size/ dimension	-	*
	Weight (including batteries)	1	*
	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	Yes	*
	conformity to Cold Test for 4 hrs at a minimum temp in accordance with IS:9000/part-2/section-4/1977 latest	Yes	*
	conformity to Damp Heat (Cyclic) Test for 2 Cycles of 24 h each at a temp of 40 degree C & 95% RH	Yes	*
	Availability of the test report from Central Govt/ NABL/ ILAC accredited lab to prove conformity to the specification	Yes	*
	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
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1	Kurakula Narsimha	500059,ICAR- CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE Santosh Nagar Saidabad Hyderabad	1	30
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**EMD Detail**

Required	No
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**ePBG Detail**

Required	No
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**Splitting**

Bid splitting not applied.

**Buyer Specific Additional Terms and Conditions**

1. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
2. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
3. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

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

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