

Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 13:00:00
Bid Opening Date/Time	21-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Pmo
Department Name	Department Of Atomic Energy
Organisation Name	N/a
Office Name	Directorate Of Purchase And Stores
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

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	25-30	*
	Horizontal Field of View of Telephoto lens	NA	9-12, 13-15, 15-20, 20-25, NA
	Vertical Field of View of Telephoto lens	NA	7-12, 13-15, 15-21, 20-26, NA
	IFOV of Standard lens (mRad)	2.1	*
	IFOV of Telephoto Lens (mRad)	NA	0.5, 0.65, 0.7, 0.75, 0.87, 1, NA
	IFOV of (Spatial resolution) (mRad)	1.31	*
PERFORMANCE FEATURES	Type	Hand held	*
	Detector Resolution (minimum) (pixel)	75000	14000, 19000, 75000, 100000
	Temperature Range of Objects (Degree Celsius)	-20 to +500	-20 to +250, -20 to +350, -20 to +500, +30 to +42 (for fever measurement & animal husbandry thermal imager), -20 to + 1200
	Temperature measuring accuracy of reading (or better)	± 2% oC	± 0.3% oC (for fever measurement & animal husbandry thermal imager), ± 2% oC, ± 5%oC, ± 0.5% oC
	Minimum Focus distance	20	10, 20, 65, 100
	Image capture frequency/ frame rate (Hz)	$N \geq 9$	*
	Image Detector Type	Uncooled focal plane array (FPA)Vox/ Asi/BST/Silicon	*
	Thermal sensitivity (NETD)	0.06	0.05 - 0.2

	User selectable Emissivity setting/correction	Between 0.01 and 1	*
	Infrared spectral band (micrometer)	Between 8 and 14	*
	Image Palettes	9	*
DISPLAY	Display Type	Color LCD	Color LCD, Color LED, Color LCD Touch Display
	Display size	3.5	2 - 10
GENERAL FEATURES	Image capture, review and save mechanism	One handed image capture, review and save capability	*
	Storage medium	Mini SD card	*
	Size of USB stick	2.7	*
	File formats	JPEG,BMP,GIF,PNG,TIFF	*
	Built-in digital camera/ Visual Camera Resolution (Mpixel)	$N \geq 0.5$	$N \geq 0.5$, $N \geq 1$, NA, 4, 8
	Details of Operating functions	-	*
	Facility for the adjustment/ selection of the time/date etc	yes	*
	Interface for image transfer	Bluetooth,WiFi,USB Cable with suitable drivers for downloading to PC	*
	Focus	Manual	*
OPERATING CONDITION	Minimum Operating Temperature	-10	*
	Maximum Operating Temperature	45	*
	Operating Humidity (RH)	80	*
POWER REQUIREMENT	Power Requirements	Battery Operated	*
	chemistry of the battery	lithium ion	*
	Voltage of rechargeable Battery	24	*
	Capacity of rechargeable battery (milliAH)	2300	*
	Suitable charger/adapter	yes	*

	provided		
	Battery Backup	4	*
	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)	510	*
	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
1	Rajendra Chandrakant Durve	452013, RAJA RAMANNA CENTRE FOR ADVANCED TECHNOLOGY	1	30

Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

---Thank You---