

Bid Document

Bid Details	
Bid End Date/Time	28-07-2020 12:00:00
Bid Opening Date/Time	28-07-2020 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Pmo
Department Name	Department Of Atomic Energy
Organisation Name	Nuclear Power Corporation Of India Limited
Office Name	Tamilnadu
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	Certificate (Requested in ATC), 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)	51-60	*
	Vertical Field of View of Standard lens	35-40	*
	Horizontal Field of View of Telephoto lens	9-12	9-12
	Vertical Field of View of Telephoto lens	13-15	13-15
	IFOV of Standard lens (mRad)	2.1	*
	IFOV of Telephoto Lens (mRad)	1	1
	IFOV of (Spatial resolution) (mRad)	2	*
PERFORMANCE FEATURES	Type	Hand held	*
	Detector Resolution (minimum) (pixel)	100000	100000
	Temperature Range of Objects (Degree Celsius)	-20 to + 1200	-20 to + 1200
	Temperature measuring accuracy of reading (or better)	± 5%oC	± 5%oC
	Minimum Focus distance	10	10.0
	Image capture frequency/ frame rate (Hz)	$N \geq 9$	*
	Image Detector Type	Uncooled focal plane array (FPA)Vox/ Asi/BST/Silicon	*
	Thermal sensitivity (NETD)	0.05	0.05
	User selectable Emissivity setting/correction	Between 0.01 and 1	*

	Infrared spectral band (micrometer)	Between 8 and 12	*
	Image Palettes	5	*
DISPLAY	Display Type	Color LCD	Color LCD
	Display size	4	4.0
GENERAL FEATURES	Image capture, review and save mechanism	One handed image capture, review and save capability	*
	Storage medium	USB stick	*
	Size of USB stick	4	*
	File formats	JPEG	*
	Built-in digital camera/ Visual Camera Resolution (Mpixel)	$N \geq 1$	$N \geq 1$
	Details of Operating functions	-	*
	Facility for the adjustment/ selection of the time/date etc	yes	*
	Interface for image transfer	USB stick storage medium	*
	Focus	Auto	*
	other features	-	*
OPERATING CONDITION	Minimum Operating Temperature	-10	*
	Maximum Operating Temperature	65	*
	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)	4.4	*
	Suitable charger/adapter provided	yes	*
	Battery Backup	4	*
	Power Management	Automatic shut down /User Selectable	*

	On-screen battery level indicator	yes	*
CERTIFICATION & SAFETY	IP Protection	IP67	*
	Safety certification	UL,CE	*
GENERIC	Size/ dimension	-	*
	Weight (including batteries)	0.152	*
	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 conformity to the specification	No	*
	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	Charles Durai	627106,KKNPP, NPCIL, KUDANKULAM, RADHAPURAM TALUK, TIRUNELVELI DIST, TAMILNADU	1	30

Bid Specific Additional Terms and Conditions

1. Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
2. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
3. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
4. 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)
5. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
6. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
7. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
8. 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.
9. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
10. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
11. Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the

rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

12. 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 10 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---