

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 11:00:00
Bid Opening Date/Time	27-07-2020 11:30:00
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	Nuclear Power Corporation Of India Limited
Office Name	Kaiga Karnataka
Total Quantity	3
Item Category	Handheld Digital Infrared Thermometer
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
----------	----

ePBG Detail

Required	No
----------	----

Splitting

Bid splitting not applied.

Handheld Digital Infrared Thermometer (3 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
TYPE	Application	To measure temperatures in hard-to-reach areas such as metal refining / melting,	*

		heat treatment furnaces, chemical / petro chemical furnaces, processing operations, food services or hazardous areas etc	
	Type	Handheld, Non-Contact Type Digital Infrared thermometer	*
PERFORMANCE (INFRARED / NON-CONTACT)	Lowest Measurable Temperature (Infrared Non-contact)	30	-70, -60, -50, -40, -35, -33, -32, -30, -25, -20, -18, -10, 0, 30 Or lower
	Highest Measurable Temperature (Infrared Non-contact)	50	50, 100, 150, 200, 220, 250, 260, 275, 300, 350, 360, 380, 400, 450, 500, 535, 550, 600, 650, 700, 750, 760, 800, 900, 950, 1000, 1050, 1100, 1200, 1300, 1370, 1400, 1470, 1500, 1600, 1700, 1800, 1850, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000 Or higher
	Display Resolution	0.1	0.1 Or lower
	Basic Accuracy (±)	0.5	0.5 Or lower
	Spectral Range (in micrometer)	5 TO 14	*
	Optical Resolution-Far field (Distance to spot ratio) (calculated at 90% energy)	4:1	*
	Emissivity (W/m2)	Continuously Adjustable from 0.1 to 1.00	Continuously Adjustable from 0.1 to 1.00
	Response Time	-	*
	Typical distance to target	-	*
DISPLAY / DATA OUTPUT	Type of Display	LCD	LCD
	Back-light display	Yes	Yes
	Display Size(in inch)	3.0 to 3.4	3.0 to 3.4, 3.5 to 3.9, 4.0 to 4.4, 4.5 to 4.9, 5.0 to 5.4, 5.5 to 5.9, 6.0 to 6.4, 6.5 to 6.9 Or higher
	Display digit Size - Max	-	*
	Data Output to other devices	No	No
	Connectivity / interface	USB,WIFI,BlueTooth,RS 232,NA	*
	Data point logging capability (on board memory)	50	50, 100, 200, 500, 1000, 2000, 3000, 4000, 4999 Or higher
BATTERY	Power Source	Alkaline Batteries (Non-Rechargeable)	*
	Battery Size, if Non Rechargeable Battery	AAA	*
	Battery Chemistry	Alkaline	*
	Capacity of Battery (mAh)	1500	*
	Battery Chargers for	Yes	*

	Rechargeable Batteries - inclusive in the scope of supply		
	Number of Batteries required for operation	2	*
	Number of Batteries supplied (Inclusive in the Scope of Supply)	2	*
	Battery back-up time under continuous use	8	*
SALIENT FEATURES / FUNCTIONS	Salient Features / Functions	Datahold,Data Recall,Integral Tripod Mount,Built-In Laser Sighting,Fahrenheit and Celsius Conversion,Hazardous location approval,Date and Time Stamping,High and Low audible alarm,Low Battery indication,Trigger lock for continuous monitoring,Maximum and Minimum Reading,Average and Differential reading,Integrated thermocouple Input for contact Measurement	Datahold, Data Recall, Integral Tripod Mount, Built-In Laser Sighting, Fahrenheit and Celsius Conversion, Hazardous location approval, Date and Time Stamping, High and Low audible alarm, Low Battery indication, Trigger lock for continuous monitoring, Maximum and Minimum Reading, Average and Differential reading, Integrated thermocouple Input for contact Measurement
ACCESSORIES	Standard accessories inclusive in the scope of supply	Data output cable,Data transfer software,Battery Charger,Adhesive Tape Roll,Belt Holder,Wrist Strap,Neck Strap,Carrying Case,Instruction booklet,User Manual,Air Probe-T/C Type K,Food Probe-T/C Type K,Immersion Tip-T/C Type K,Immersion/Penetration Probe-T/C Type K,Thermocouple with TC adapter-T/C Type K,RTD Sensor,Calibration Points,Emissivity Reference Chart	Data output cable, Data transfer software, Battery Charger, Adhesive Tape Roll, Belt Holder, Wrist Strap, Neck Strap, Carrying Case, Instruction booklet, User Manual, Air Probe-T/C Type K, Food Probe-T/C Type K, Immersion Tip-T/C Type K, Immersion/Penetration Probe-T/C Type K, Thermocouple with TC adapter-T/C Type K, RTD Sensor, Calibration Points, Emissivity Reference Chart
GENERIC	Built-in laser for precisely aiming the target	Yes	Yes
	Laser Class	Class II	Class II
	Laser sighting	Single-point laser	Single-point laser
	"Typical Usage (May indicate the usage of the equipment)"	-	*
	Weight	-	*
	Dimensions (mm x mm x mm)	-	*
	Optional/User Guide/Manual	Yes	Yes
	Additional features, if any	-	*
	List of Items and Quantity of each item included in the	-	*

	offer		
OPERATING CONDITIONS / INGRESS PROTECTION	Minimum Operating Temperature	0	0, -5, -10, -15, -20, -25, -30 Or lower
	Maximum Operating Temperature	50	50, 55, 60, 65, 70 Or higher
	Maximum Operating Humidity at 40 deg C - Non-condensing (Rh)	90	90, 95 Or higher
	Maximum Operating Altitude (meters above MSL)	Upto 500	*
	Ingress Protection	NA	*
WARRANTY	Warranty	1	1.0
CERTIFICATION / TEST REPORTS	Compliance to Standards	EN 61326-1, EN 61326-2 Electromagnetic Compatibility, EN/IEC 61010-1 General Safety, EN 60825-1 Laser Safety, Vibration and shock: IEC 68-2	*
	Hazardous location (Intrinsically Safe / non-incendive) approval	No	No
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	No	No
	If Yes, Test Report to be furnished to the Buyer on demand	NA	*
	"Test Report No and Date (May indicate 'NA' if not applicable)"	-	*
	"Name of the Lab and Address (May indicate 'NA' if not applicable)"	-	*
CALIBRATION	Calibration Certificate for each Device Provided to the buyer along with supplies	Yes	*
	Calibration Certificate issuing authority	-	*

* 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	Praveen Kumar Lagudu	581400, Plant Site, Kaiga Generating Station, PO: Kaiga	3	15

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---