

Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 13:00:00
Bid Opening Date/Time	23-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Indian Oil Corporation Limited
Organisation Name	Indian Oil Corporation Limited
Office Name	loc Barauni Refinery
Total Quantity	20
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
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Handheld Digital Infrared Thermometer (20 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 / petrochemical 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 Or lower
	Highest Measurable Temperature (Infrared Non-contact)	500	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 (±)	1.5	0.5, 0.75, 1, 1.5 Or lower
	Spectral Range (in micrometer)	8 TO 14	*
	Optical Resolution-Far field (Distance to spot ratio) (calculated at 90% energy)	10:1	*
	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)	3.5 to 3.9	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	Yes, No
	Connectivity / interface	NA	*
	Data point logging capability (on board memory)	0	*
BATTERY	Power Source	Alkaline Batteries (Non-Rechargeable)	*
	Battery Size, if Non Rechargeable Battery	AA	*
	Battery Chemistry	Alkaline	*
	Capacity of Battery (mAh)	200	*
	Battery Chargers for Rechargeable Batteries - inclusive in the scope of supply	Yes	*
	Number of Batteries required for operation	1	*
	Number of Batteries supplied (Inclusive in the Scope of Supply)	1	*
	Battery back-up time under continuous use	12	*
SALIENT FEATURES / FUNCTIONS	Salient Features / Functions	Fahrenheit and Celsius Conversion,Maximum and Minimum Reading	Fahrenheit and Celsius Conversion, Maximum and Minimum Reading
ACCESSORIES	Standard accessories inclusive in the scope of supply	Instruction booklet,User Manual	Instruction booklet, User Manual
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
	Weight	-	*
	Dimensions (mm x mm x mm)	-	*
	Optional/User	Yes	Yes

	Guide/Manual		
	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)	95	95 Or higher
	Maximum Operating Altitude (meters above MSL)	501 to 2000	*
	Ingress Protection	IP 40	*
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	Yes, No
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	No	Yes, No
	If Yes, Test Report to be furnished to the Buyer on demand	Yes	*
	"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	Yes	*

	Provided to the buyer along with supplies		
	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	R.Venkatesh	851114,Barauni Refinery, Begusarai-851114	20	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---