

### Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 16:00:00
Bid Opening Date/Time	24-07-2020 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Indian Oil Corporation Limited
Organisation Name	loc Haldia Refinery
Office Name	Materials Purchase
Total Quantity	2
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 ( 2 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)	<b>Lowest Measurable Temperature (Infrared Non-contact)</b>	-40	-70, -60, -50, -40 Or lower
	<b>Highest Measurable Temperature (Infrared Non-contact)</b>	800	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
	<b>Display Resolution</b>	0.1	0.1 Or lower
	<b>Basic Accuracy (±)</b>	1	0.5, 0.75, 1 Or lower
	Spectral Range (in micrometer)	8 TO 14	*
	Optical Resolution-Far field (Distance to spot ratio) (calculated at 90% energy)	50:1	*
	<b>Emissivity (W/m2)</b>	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	<b>Type of Display</b>	LCD	LCD
	<b>Back-light display</b>	Yes	Yes
	<b>Display Size(in inch)</b>	2.0 to 2.4	2.0 to 2.4, 2.5 to 2.9, 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	-	*
	<b>Data Output to other devices</b>	No	No
	Connectivity / interface	USB	*
	<b>Data point logging capability (on board memory)</b>	100	100, 200, 500, 1000, 2000, 3000, 4000, 4999 Or higher
BATTERY	Power Source	Alkaline Batteries (Non-Rechargeable)	*
	Battery Size, if Non Rechargeable Battery	AA	*
	Battery Chemistry	Alkaline	*
	Capacity of Battery (mAh)	0	*
	Battery Chargers for Rechargeable Batteries - inclusive in the scope of supply	Yes	*
	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	12	*
SALIENT FEATURES / FUNCTIONS	<b>Salient Features / Functions</b>	Datahold,Data Recall,Built-In Laser Sighting,Fahrenheit and Celsius Conversion,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, Built-In Laser Sighting, Fahrenheit and Celsius Conversion, 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	<b>Standard accessories inclusive in the scope of supply</b>	Data output cabble,Data transfer software,Carrying Case,Instruction booklet,User	Data output cabble, Data transfer software, Carrying Case, Instruction booklet, User Manual,

		Manual, Thermocouple with TC adapter-T/C Type K	Thermocouple with TC adapter-T/C Type K
GENERIC	<b>Built-in laser for precisely aiming the target</b>	Yes	Yes
	<b>Laser Class</b>	Class II	Class II
	<b>Laser sighting</b>	Single-point laser	Single-point laser
	"Typical Usage (May indicate the usage of the equipment)"	-	*
	Weight	-	*
	Dimensions (mm x mm x mm)	-	*
	<b>Optional/User Guide/Manual</b>	Yes	Yes
	Additional features, if any	-	*
	List of Items and Quantity of each item included in the offer	-	*
OPERATING CONDITIONS / INGRESS PROTECTION	<b>Minimum Operating Temperature</b>	0	0, -5, -10, -15, -20, -25, -30 Or lower
	<b>Maximum Operating Temperature</b>	50	50, 55, 60, 65, 70 Or higher
	<b>Maximum Operating Humidity at 40 deg C - Non-condensing (Rh)</b>	90	90, 95 Or higher
	Maximum Operating Altitude (meters above MSL)	2001 to 3000	*
	Ingress Protection	NA	*
WARRANTY	<b>Warranty</b>	2	2.0
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	*
	<b>Hazardous location (Intrinsically Safe / non-incendive) approval</b>	No	No
	<b>Availability of Test Reports from Central</b>	Yes	Yes

	<b>Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification</b>		
	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	Govind Ramdhari Mehra	721606, MATERIALS STORES DEPARTMENT, IOCL HALDIA REFINERY, HALDIA,	2	90

#### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods
2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.

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

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