

### Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 11:00:00
Bid Opening Date/Time	24-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Mines
Department Name	Materials
Organisation Name	National Aluminium Company Limited, Bhubaneswar
Office Name	Materials
Total Quantity	100
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 ( 100 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,	*

PERFORMANCE (INFRARED / NON-CONTACT)		heat treatment furnaces, chemical / petro chemical furnaces, processing operations, food services or hazardous areas etc	
	Type	Handheld, Non-Contact Type Digital Infrared thermometer	*
	<b>Lowest Measurable Temperature (Infrared Non-contact)</b>	-50	-70, -60, -50 Or lower
	<b>Highest Measurable Temperature (Infrared Non-contact)</b>	380	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
	<b>Display Resolution</b>	0.2	0.1, 0.2 Or lower
	<b>Basic Accuracy (±)</b>	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)	12:1	*
	<b>Emissivity (W/m2)</b>	Fixed at 0.95	Fixed at 0.95
	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,WIFI,BlueTooth,RS 232,NA	*
	<b>Data point logging capability (on board memory)</b>	0	0, 10, 12, 20, 30, 40, 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	Li-ion	*
	Capacity of Battery (mAh)	1000	*
	Battery Chargers for Rechargeable Batteries - inclusive in the scope of	Yes	*

	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	10	*
SALIENT FEATURES / FUNCTIONS	<b>Salient Features / Functions</b>	Built-In Laser Sighting, High and Low audible alarm	Built-In Laser Sighting, High and Low audible alarm
ACCESSORIES	<b>Standard accessories inclusive in the scope of supply</b>	Battery Charger	Battery Charger
GENERIC	<b>Built-in laser for precisely aiming the target</b>	Yes	Yes
	<b>Laser Class</b>	NA	NA
	<b>Laser sighting</b>	NA	NA
	"Typical Usage (May indicate the usage of the equipment)"	-	*
	Weight	-	*
	Dimensions (mm x mm x mm)	-	*
	<b>Optional/User Guide/Manual</b>	No	No
	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>	70	70 Or higher
	<b>Maximum Operating Humidity at 40 deg C - Non-condensing (Rh)</b>	95	95 Or higher
	Maximum Operating Altitude (meters above MSL)	Upto 500	*
	Ingress Protection	NA	*
WARRANTY	<b>Warranty</b>	1	1.0
CERTIFICATION / TEST REPORTS	Compliance to Standards	EN 61326-1, EN 61326-2 Electromagnetic Compatibility	*
	<b>Hazardous location (Intrinsically Safe / non-incendive) approval</b>	No	No
	<b>Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification</b>	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	USHNA RANJAN MISHRA	759145,PURCHASE DEPARTMENT, NALCO SMELTER PLANT, NALCO NAGAR	100	14

#### 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---