

Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 12:00:00
Bid Opening Date/Time	21-07-2020 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	Indian Air Force
Office Name	*****
Total Quantity	4
Item Category	Live Remote Temperature & Humidity Monitoring and Alert System
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.

Live Remote Temperature & Humidity Monitoring And Alert System (4 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
General	Application of Type of IOT Device	Live Remote Temperature & Humidity Monitoring and Alert System	*
	Items covered in the System	2.IOT Device for measuring & monitoring of temperature & Humidity	2.IOT Device for measuring & monitoring of temperature & Humidity
	Activation & Demonstration of the product	Yes	Yes
	Demonstration Type	onsite	onsite
	Number of Years upto which Support is available from OEM/Seller	2	2
IoT Device	Features of IOT Device	1. To measure, observe and monitor Temperature & Humidity in a real time remotely and send alerts when there is deviation from defined temperature range.,2. Captures the location detail of monitoring unit.,3. User configurable sampling and data reporting frequency	1. To measure, observe and monitor Temperature & Humidity in a real time remotely and send alerts when there is deviation from defined temperature range., 2. Captures the location detail of monitoring unit., 3. User configurable sampling and data reporting frequency
	Key components in the IoT device	1. Temperature Sensor,2. Humidity Sensor,5. Battery	1. Temperature Sensor, 2. Humidity Sensor, 5. Battery
	Type of Monitoring	Temperature,Humidity	Temperature, Humidity
	No Of data readings stored in memory (in Thousand)	2	2
	Sensor type	Internal	Internal
	Firmware	NA	*
	Visual display available in the offered product	LCD	LCD
	Make and Model of the	-	*

	IOT Device		
	OEM of the IOT Device	-	*
	Warranty on the IOT device (years)	1	1
Temperature Sensor	Temperature Sensor Type	Thermocouples	*
	Sensitivity(in °C)	±0.5	±0.5
	Temperature Resolution	0.5	0.5
	Minimum Operating Temperature(in °C) (Hint: Select "0" if not applicable)	-20	-30.0 - -20.0 Or lower
	Maximum Operating Temperature(in °C) (Hint: Select "0" if not applicable;)	60	60.0 - 60.0 Or higher
Humidity Sensor	RH Sensor Type	1. Capacitive	*
	Humidity Range(in % RH) (Hint: Select "0" if not applicable)	100	100.0 - 100.0 Or higher
	Accuracy (in % RH)	±3	±3
	Sensitivity(in % RH)	±0.1	±0.1
Communication Module	Communication protocols Supported	NA	NA
Microcontroller	Bit core	8	8
	Core processor	NA	NA
	Memory type	FLASH	FLASH
	Memory Size in KB (Hint: Select "0" if not applicable;)	32	32.0 - 2048.0 Or higher
Battery	Type of Battery	Non-Rechargeable Battery	Non-Rechargeable Battery
	Number of Batteries	2	2
	Chemistry of Battery	Lithium Polymer	Lithium Polymer
	Battery Size	AAA	*
	Capacity of Battery (in mAh) (Hint: Select "0" if not applicable;)	0	0.0 - 6000.0 Or higher
	Operating Voltage(in volts) (Hint: Select "0" if not applicable)	12	*
	Minimum Battery Back Up Time (in	0	0.0 - 30.0 Or higher

	days) as per standard sampling and data reporting intervals (Hint: Select "0" if not applicable)		
	Suitable Battery Charger Working on 230 V AC \pm 10 % ; 50 Hz \pm 10 %	NA	*
SOFTWARE	Deployment Option	NA	NA
	Features of Software for monitoring/ Reports	1. Graphical User Interface to configure, read, upgrade the device.,2. Software provides access to data , reports of temperature, humidity and location.,3. Admin rights to create and manage devices and users, assign devices to users.,4. Set temperature limits for individual devices for monitoring & alert .,5. User access to monitor each device and view/ download reports.,6. Create and modify storage locations like warehouse, and subsequent locations.	1. Graphical User Interface to configure, read, upgrade the device., 2. Software provides access to data , reports of temperature, humidity and location., 3. Admin rights to create and manage devices and users, assign devices to users., 4. Set temperature limits for individual devices for monitoring & alert ., 5. User access to monitor each device and view/ download reports., 6. Create and modify storage locations like warehouse, and subsequent locations.
	Name of the software	-	*
	OEM Model / Part No	-	*
	Type of Licence	NA	NA
	Valid licence copy to be provided	NA	NA
	Software supplied through	Media	*
	Hyper link to the datasheet	-	*
	Operating system Supported	Window,IOS	*
Generic Features	Operating Modes	Standard Run Mode,Delayed Start Run Mode	*
	Standard Sampling Interval Range (Minutes)	1-30	*

Standard Reporting Interval Range (Minutes)	1-30	*
Format in which GUI Report Available	Excel,PDF	*
Programmable distinct Alarms for	Deviations in Temperature & Humidity	*
Alarm Types	Mobile Apps,Audio	Mobile Apps, Audio
Display Reading in	Temperature,Humidity, date,time	*
Device Interface	LED Status(Power -Up, low battery, charging, network)	*
Device Configuration modes	Using User Interface programs by physically connecting device to the PC	*
List of items & number included in the scope of supply	-	*
Supplied with Comprehensive User manual	Yes	*

* 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	*****	*****BATHINDA	4	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---