Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 14:00:00
Bid Opening Date/Time	27-07-2020 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Agriculture And Farmers Welfare
Department Name	Department Of Agricultural Research And Education (dare)
Organisation Name	N/a
Office Name	Rajendra Prasad Central Agril University Bihar
Total Quantity	1
Item Category	Live Remote Temperature & Humidity Monitoring and Alert System
OEM Average Turnover (Last 3 Years)	2 Lakh (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No

ePBG Detail

Required	No

Splitting

Bid splitting not applied.

1. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

Live Remote Temperature & Humidity Monitoring And Alert System (1 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	1. IOT Device for measuring & monitoring of temperature,2.IOT Device for measuring & monitoring of temperature & Humidity,3. Software for IOT device for monitoring	1. IOT Device for measuring & monitoring of temperature, 2.IOT Device for measuring & monitoring of temperature & Humidity, 3. Software for IOT device for monitoring
	Activation & Demonstration of the product	No	Yes, No
	Demonstration Type	onsite,remote,NA	onsite, remote, NA
	Number of Years upto which Support is available from OEM/Seller	1	1, 2, 3, 4, 5, NA
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	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,4. NA	detail of monitoring unit., 3. User configurable sampling and data reporting frequency, 4. NA
	Key components in the IoT device	1. Temperature Sensor,2. Humidity Sensor,3. Microcontroller,4. Communication module,5. Battery,6. NA	1. Temperature Sensor, 2. Humidity Sensor, 3. Microcontroller, 4. Communication module, 5. Battery, 6. NA
	Type of Monitoring	Temperature,Humidity, NA	Temperature, Humidity, NA
	No Of data readings stored in memory (in Thousand)	1,1.5,2,NA	1, 1.5, 2, NA
	Sensor type	Internal,External,NA	Internal, External, NA
	Firmware	Embedded based	*
	Visual display available in the offered product	LED	LED, OLED, LCD, PLASMA, TFT, GRAPHIC, NA
	Make and Model of the IOT Device	-	*
	OEM of the IOT Device	-	*
	Warranty on the IOT device (years)	1	1, 2, 3, 4, 5, NA
Temperature Sensor	Temperature Sensor Type	Remote thermal diode temperature sensor Ics	*
	Sensitivity(in ˚C)	± 1	±0.5, ± 1, ±1.5, ±2, NA
	Temperature Resolution	1	0.5, 1, NA
	Minimum Operating Temperature(in ˚C) (Hint: Select "0" if not applicable)	0	-30 - 20
	Maximum Operating Temperature(in ˚C) (Hint: Select "0" if not applicable;)	60	-20 - 60
Humidity Sensor	RH Sensor Type	1. Capacitive	*
	Humidity Range(in % RH) (Hint: Select "0" if not applicable)	100	0 - 100
	Accuracy (in % RH)	±3	±2, ±3, NA
	Sensitivity(in % RH)	±0.2	±0.1, ±0.2, NA

Communication Module	**Communication protocols Supported**	2G (quad band),3G,4G (LTE),Wi-fi,Bluetooth,NA	2G (quad band), 3G, 4G (LTE), Wi-fi, Bluetooth, NA
Microcontroller	**Bit core**	8	4, 8, 16-single, 16-dual, 32-single, 32-dual, 32-tri, 32-quad, NA
	Core processor	NA	8051/52, ARM, FT32, F2MC, MAXQ, MSP, XCORE, NA
	Memory type	FLASH	*
	Memory Size in KB (Hint: Select "0" if not applicable;)	56	0 - 2048
Battery	**Type of Battery**	NA	Rechargeable Battery, Non-Rechargeable Battery, NA
	Number of Batteries	NA	1, 2, 3, 4, 5, NA
	Chemistry of Battery	NA	Li-ion, Ni-MH, SMF, Alkaline, Lithium Polymer, NA
	Battery Size	NA	*
	Capacity of Battery (in mAh) (Hint: Select "0" if not applicable;)	0	0 - 6000
	Minimum Battery Back Up Time (in days) as per standard sampling and data reporting intervals (Hint: Select "0" if not applicable)	0	0 - 30
	Suitable Battery Charger Working on 230 V AC ± 10 % ; 50 Hz ± 10 %	NA	*
SOFTWARE	**Deployment Option**	In-premise,Cloud,NA	In-premise, Cloud, NA
	Features of Software for monitoring/ Reports	1. Graphical User Interface to configure, read, upgrade the device.,2. Software provides acess to data , reports of temperature, humidity and location.,3. Admin rights to create and manage devices and users, assign devices to users.,4. Set	1. Graphical User Interface to configure, read, upgrade the device., 2. Software provides acess 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.,7. Create and modify Trips if used for transportation .,8. API to integrate with other or existing application .,9. NA	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., 7. Create and modify Trips if used for transportation ., 8. API to integrate with other or existing application ., 9. NA
	Name of the software	-	*
	OEM Model / Part No	-	*
	Type of Licence	Perpetual	Perpetual, Subscription, NA
	Valid licence copy to be provided	Yes	Yes, NA
	Software supplied through	Media,URL link,Media & URL link,Pre-loaded,Hosted on cloud,NA	*
	Hyper link to the datasheet	-	*
	Operating system Supported	Window,Linux,IOS,NA	*
Generic Features	Operating Modes	Standard Run Mode,Delayed Start Run Mode,Flight Mode,NA	*
	Standard Sampling Interval Range (Minutes)	1-90	*
	Standard Reporting Interval Range (Minutes)	1-90	*
	Format in which GUI Report Available	Excel,PDF,NA	*
	Programmable distinct Alarms for	Low Battery,Deviations in Temperature & Humidity,NA	*
	Alarm Types	SMS,Mobile Apps,Email,Audio,NA	SMS, Mobile Apps, Email, Audio, NA
	Display Reading in	Temperature,Humidity, date,time,NA	*

Device Interface	LED Status(Power -Up, low battery, charging, network),UART / USB Port,switch for power On,NA	*	
Device Configuration modes	Using User Interface programs by physically connecting device to the PC,From remote using SMS Commands OR Web program (web based programs will use internet protocols such as HTTP, etc instead of SMS),NA	*	
List of items & number included in the scope of supply	-	*	
Supplied with Comphrensive 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	Rajeev Kumar	848125,Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar	1	30

Bid Specific Additional Terms and Conditions

1. After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 7 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 7 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.
2. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
3. ISO 9001: The bidder must have ISO 9001 certification.
4. Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

5. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

6. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

7. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

8. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

9. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

10. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 6 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imberse the cost of such service / rectification to the Buyer.

This Bid is also governed by the General Terms and Conditions

---Thank You---