

Subject:- extension for closing submission of tender for procurement of Automatic Weather Stations (AWS), Qty-400Nos.

Reference:- CPU/54/1119/68(AWS)

The tender submission date is further extended up to 25/02/2020 (closing date) and Tender opening on 27/2/2020 as requested by many vendors and approved by the competently authority.

**All terms & conditions remain unchanged.**

Subject:- Pre-bid minutes held on 30/12/2019 for procurement of Automatic Weather Stations (AWS), Qty-400Nos.

Reference:- Tender enquiry NO. **CPU/54/1119/68(AWS) dated 10/12/2019**

(1). All terms & conditions of RFP remain unchanged.

(2) As per Tender document 16b , Page No.52 “The firm has to plan in such a way that the project should be taken on highest priority and complete the project within **twelve** months”

(3) The date of tender submission is extended up to 10/02/2020 (closing date) and Tender opening on 12/2/2020 as requested by many vendors and approved by the competently authority.

**MINUTES OF THE PRE-BID MEETING FOR "PROCUREMENT OF 400 AWS  
SYSTEM"**

In response to **Tender Enquiry No. CPU/54/1119/68 dated 10.12.2019** the competent authority has constituted a committee for conducting pre-bid meeting on 30.12.2019 for procurement of Automatic Weather Stations- 400 Nos.

Following officers and bidders attended the meeting held at 1100 HRS in the office of Head, CRS Pune.

1. **Shri K.N. Mohan, Scientist F , IMD Pune**
2. **Dr. Manish Ranalkar, Scientist E, IMD Pune**
3. **Shri P.S. Biju , Scientist E, IMD Pune**
4. **Dr. Kaustub Chakraborty, Scientist E, IITM Pune**
5. **Shri Anjit Anjan, Scientist E, IMD Pune**

**Bidders**

I. Representative from the following firms have participated in pre-bid meeting

1. M/s Astra Microwave Products Ltd., Hyderabad
2. M/s Aashay Measurements Pvt :Ltd., Pune
3. M/s Cambell Scientific Pvt. Ltd., Delhi
4. M/s Cellcomm Solutions Ltd., Bengaluru
5. M/s ICON Power Solutions Pvt. Ltd., Gurugram
6. M/s Mea Tech Solutions LLP, Gurugram
7. M/s MTN Met Instruments ,
8. M/s Micro Step-MIS Monitoring Information Systems India Pvt Ltd. Bengaluru
9. M/s OBEL System Pvt. Ltd., Hyderabad
10. M/s OTT Hydromet, Delhi
11. M/s Precision Electronics Ltd., Noida
12. M/s Skymet Weather Services, Mumbai
13. M/s TAGV Embedded Solutions, Hyderabad

The queries have been received from the following firms through Emails.

- II. Queries from M/s Azista Industries Pvt. Ltd., Ahmedabad.
- III. Queries from M/s Microcomm India Ltd., Gurugram
- IV. Queries from M/s Shiva Engineers
- V. Queries from M/s S.G.S. Weather & Environmental System Pvt. Ltd., Gurugram have been received by email
- VI. Queries from M/s S. S. Trading Corporation New Delhi have been received by email.

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(ANJIT ANJAN)

Kaustub Chakraborty  
Dr. Kaustub Chakraborty  
(K.N. Mohan)

CP.S. Biju

Dr. Manish Ranalkar  
(Manish Ranalkar)  
30/12/2019

The query raised by the firms and the IMD's response to these query as follows:

S.N.	RFP Reference	Existing contents	Query	Response to the query
<b>I.</b>	<b>Queries from M/s Astra Microwave Products Ltd., Hyderabad</b>			
1.	Page No. 14, Point No. 8	Earnest Money Deposit (EMD)	As per MSME Norms exemption of EMD, the company should produce manufacturing of goods & service in one single brand. Whereas the tender called for AWS it's a turnkey and integrated solution. MSME norms are not applicable for this product.	As per Tender document.
2	Page No:40 Point No. 4	For all sensors offered, valid certification from NIST (National Institute for Standards and Technology, USA) /IMD/WRC is to be submitted.	Kindly clarify whether all the 400 sensors to be calibrated at IMD before installing in the field.	NIST Traceable certificate is permitted.
3.	Page No: 39 Point No 3.5	GPRS Modem in built in the Data Logger is also acceptable provided SIM card slot is external.	Kindly Clarify whether we can supply GPRS Modem with inbuilt Data logger .	As per Tender document.
4.	Page No. 58: Point No. 16;	Within Six months from the placement of supply order	Kindly extend the delivery schedule of 1 <sup>st</sup> consignment from 30 days to 90 days. On every 30 days next consignment will be supplied as per RFP.	Delivery schedule is revised as per corrigendum issued along with this prebid minutes.
5.	Page No 15 Point No. 9;	Performance Security	We request to provide 10 % advance against performance security BG.	As per Tender document
<b>II</b>	<b>Queries from M/s Azista Industries Pvt. Ltd., Ahmedabad</b>			
1	Pg. 53 / 18	Bidder Qualification Criteria: a) The bidder/manufacture should have minimum <b>two years'</b>	In case of Bidder with manufacturer authorization from OEM, Pl. clarify that whether collective experience of Bidder and OEM will be	As per Tender document

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		<p>experience in successful installation, maintenance, calibration of GSM/GPRS/Satellite based AWS network of 100 Nos. for any government/public sector/internationally or nationally recognized institutes or sectors.</p> <p>A certificate from end user in this regard about satisfactory and proven performance of the networks of the system must be enclosed with the technical bid.</p>	<p>acceptable for the said min. 2 years experience of GSM/GPRS/Satellite based 100 Nos. AWS installation, maintenance, calibration.</p> <p>Pl. clarify whether experience in international private sectors will be acceptable.</p> <p>In case of JV/Consortium, please clarify whether collective experience of partners will be acceptable</p>	
2		About security of the station	Please clarify that during warranty/CAMC period, whether security of the station will be bidder responsibility or purchaser responsibility.	After commission of the system, security is the purchaser responsibility
3	<p>Pg. 36 / 3.5</p> <p>&amp;</p> <p>Pg. 40/ 6.1.viii</p>	<p>Overall Requirements</p> <p>There should be separate GPRS modem and should not in built in Datalogger &amp;</p> <p>Data logger</p> <p>GPRS Modem in built in the Data Logger is also acceptable provided SIM card slot is external.</p>	Kindly accept Data logger with internal SIM card slot to improve system reliability	As per Tender document
4	Pg. 36 / 3.12	AWS data can also be made available to PC available to nearby Building at AWS site by OFC cable as per user defined time interval (1 min to 60 minutes)	<p>Pl. let us know the OFC cable length to be supplied with each system.</p> <p>If cable length is not part of supply, pl. specify what will be maximum distance between Data logger to PC for OFC communication.</p> <p>For OFC communication, pl. provides specification/type of fiber optic port/cable.</p>	OFC is not part of tender, Only AWS data should be available in Ethernet port at an interval of every one minute.

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5	Pg. 36 / 2.9	The meteorological parameters is to be transmitted every minute by Datalogger to the Desktop computer through Ethernet port and are to be stored in the computer automatically as background Operation.	Pl. let us know the Ethernet cable length to be supplied with each system. If cable length is not part of supply, pl. specify what will be maximum distance between Data logger to PC for Ethernet communication.	Maximum distance may be 100 m.
6.		Regarding temporary storage of material	Pl. clarify whether purchaser will provide transit warehouse at nearby site locations for temporary material storage	It is supplier responsibility
7	Penalty clause/Liquidated damages clause (LD) for delayed stores & Services	No Objection certificate	Kindly consider that in below reasons, no Late delivery clause will be applied: Delay in providing No objection certificate by purchaser for selected sites installation and site related works.	NOC is IMD's responsibility.
8	Page 40 / 6.1.vi	Internal memory of Data Logger is sufficient to store 10 years of 1 min average and one min interval.	Kindly consider Internal memory of Data Logger is sufficient to store 1 years at 1 hour interval data storage	As per tender Document.
III	<b>M/s Aashay Measurements Pvt Ltd., Pune</b>			
1.	Page No. 58; Point No. 16;	Within Six months from the placement of supply order.	Kindly let us know the exact time frame of the completion of the scheduled project, considering the complexities and diversities of area and divisions involved for all the installations. We want to know your comments on involving two to three capable assignees instead of one under your control, who can complete and service	Delivery schedule is revised as per corrigendum issued along with this prebid minutes.

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			save time of IMD officials as well help bidders to plan installation in a stipulated time. Kindly confirm.	
16	Page No.60 Para 18.1	Training	Here it is mentioned that training to one nodal officer for a day for each AWS. This will be huge exercise. We request that district wise/ zonal wise/state wise training is decided. Kindly confirm.	As per tender document
17	Page No.60 Para 18.1	Internet at AWS local PC /MS/RMS	We understand that broadband Internet connection at this location will be provided by IMD. Kindly confirm.	Internet at Servers of RMCs/MCs/ Pune will be provided by IMD.
18	Page No.60 Para 18.1	Electrical Charger for 65 AH battery	Is this requirement necessary as it is an additional hardware cost? We have observed that in most cases, it is practically not possible to have AC supply up to the AWS and also nobody uses this option later on. Or it is a battery charger to be placed at RC/RMC office? Will this charger be available to bidder to use? Kindly clarify.	As per tender document
19	28 12.1.2	MS Office software	Is bidder required to also supply the MS office software for the all supplied server and desktop? Kindly clarify.	No
20	58 16	Delivery Schedule / Project Completion Period	As there will be procurement of Imported & local goods - We hereby request you to please extend the project completion period for 1 year.	As per corrigendum issued in this regard.
21	60 18.a	Qualification Criteria	The Bidder / Manufacturer should have minimum 2 years' experience in successful	As per tender document

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			will be in IMD Pune only?	
9	Page No. 40 Para No 3.20	Sub Office	Here 6 sub offices is mentioned? Are the resident engineers to be posted in this sub office? Which states are considered in central India?	As per corrigendum issued in this regards.
10	Page No. 40 Para No 4(e)	Calibration	Kindly clarify whether a sample of each of the supplied sensor is to be tested or all 400 each of the sensor need to be tested at IMD. Will the test be done free of cost or it will be chargeable?	As per tender document, the calibration should be done by the bidder.
11	Page No. 40 Para No 6.1 (iii)	Ports	Here wireless modem is mentioned, what is meant by this as we will be using ethernet port for the slave display in computers. Kindly clarify.	Wireless modem and OFC is not part of tender.
12	Page No. 46 Para No 9.7	UPS backup	The 8 hrs UPS backup is for which server? Kindly clarify.	Backup for Servers and Workstations at Pune.
13	Page No. 47 Para No 9.10.1	TDMA data	Is this requirement a part of this tender? If yes who will be responsible for the transfer of raw message from ERS to GPR Server? Kindly clarify.	Only GPRS data
14	Page no 47 Para 9.13	Hardware for CDPRS	We understand that total 4 servers and 4 desktop are required at CDPRS, Pune. Kindly confirm.	IMD Pune
15	Page No.54 Para 10.d	Installation	Here it is mentioned that installation should be done in the presence of IMD officials. In our experience, this condition sometimes delays the installation schedule. We suggest that installation be done as per bidder schedule and IMD officials do the inspection on a later date which will enable inspection of many sites in a day. This will	As per tender document.

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			the stations more effectively throughout the period of execution & operations.	
<b>IV</b>	<b>M/s Campbell Scientific India Pvt. Ltd</b>			
<b>1.</b>	Point # 6.1.V	Keypad Display	Most of datalogger's manufacturers now come with external keypad display which can be mounted with the datalogger in the same enclosure. It is very convenient to use the external keypad display and it uses less power to operate.	As per tender Document
<b>2.</b>	Point # 6.1.VI	Data storage	If it is acceptable to use any other external data storage devices like memory cards?	As per tender Document
<b>V.</b>	<b>M/s HACH DHR India Private Limited</b>			
<b>1.</b>	Page No.26 & 27	Price Bid format Point 5 and 7: Enclosure for datalogger.	Both IP67 and IP 66 is mentioned. We understand that FRP enclosure with IP66 is required. Kindly clarify	It is IP66 only.
<b>2.</b>	Page No.29	Price Bid format Point 29 Buyback	Is this compulsory? If we do not quote buyback do we still need to collect them from existing AWS stations and dispose of the items? Kindly clarify.	As per tender Document except Datalogger and sensors, Other items will be come under buy back policy.
<b>3.</b>	Page No.38 Para 2.8	Data Transfer to MC/RMC	Here it is mentioned that in addition to IMD Pune, data from AWS is also to be transferred to MC/RMC. Kindly clarify how many RC/RMC are there in this tender. And we understand that only those AWS will transfer data to RC/RMC that in under	Total 28 Nos. of MCs/RMCs servers in addition to server at Pune.

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		Micro and small Enterprises specified by Ministry of Micro, Small & Medium Enterprises (MoMSME) are exempted from Earnest Money Deposit (EMD)		
3.		Media Connectivity	Please note that the media for connectivity of station shall be in India Meteorological Department scope and same shall be provide by IMD department.	Not relevant to Tender document.
VII.	M/s Mea Tech Solutions, LLP, Gurugram			
1.	Point No. 6.1( Page 43):	DATA LOGGER	With all the communications possible, lots of Dataloggers companies have come up with the external handheld displays which help saving power and are much easier and handier to use with enclosure mounted at a certain height. Also How does Inbuilt Keyboard and Display help instead of using the handheld. If the concern is of getting the displays stolen, we can make arrangements for mounting the same inside the enclosure itself with some sort of non-removable arrangements. As it doesn't interfere with measuring accurately and doesn't even interfere in recording the data so we request you to please consider our request to change the same to handheld displays as well wherein the specifications of displays can also be mentioned with respect to the temperature ranges. In	As per tender Document

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			case the internal display becomes faulty then datalogger would be required to be sent for repair and the data would be lost.	
2.	Point no 4.2.1 (Page 41)	Output : Digital	The Output asked for combined sensors are having different outputs please clarify?	As per tender Document
3.	Point No. 4.4 (Page 42)	Output : Digital	Request to accept the analog sensors as well as in the case of other sensors also.	As per tender Document
4.	Point 4. A (Page 40)	For all sensors offered, valid certification from NIST (National Institute for Standards and Technology, USA) /IMD/WRC is to be submitted.	Please clarify if NIST Traceable are acceptable	Yes, NIST traceable certificate are acceptable.
5.	Point No. 6.1.VI (Page 44)	Processing & Data storage	Will it be acceptable to use any other commercially available external storage devices like memory cards?	As per tender Document
6.	Point No. 3.20 (Page 40)	The firm should have sub offices with Address and Telephone Nos. in six regions of India (East, West, North, South, Central and North East) who can carry out installation and maintenance of AWS at short notice	Please clarify if office can be opened after winning the contract also resident engineers can be appointed without having any registered office. Please specify the downtime rather than asking for multiple offices as the sites can be accessed by resident engineers.	As per corrigendum issued in this regard
VIII. M/s Micro Step-MIS Monitoring Information Systems India Pvt Ltd. Bengaluru				
1	Page No-14 Clause No 7. Eligibility & Qualification criterion for Bidders:	The bidder should have minimum annual turnover of INR 5 Crores or equivalent value during each of the past	We assume that the bidder can meet the financial criteria based on the financial criteria of its parent company on behalf of whom they bid.	Either Bidder/OEM

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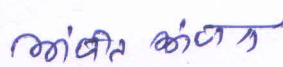


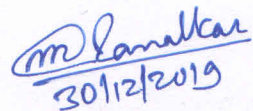
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	Point No 7.3	three years ending on 31.03.2019. The firm should not have incurred financial loss for more than one year in last three years.		
2	Page No-29 Annex IV point No 22	Workstations with accessories, 21" LED Monitor, KVM switch, keyboard and mouse	As per standard layout Workstations never require KVM switch. KVM switch is meant for server.	KVM switch is meant for servers only.
3	Page No-29 Annex IV point No 29	Buy back rate of old 10 m mast and accessories, old data loggers, sensors, solar panels, batteries and old concrete platforms in existing AWS sites.	How supplier can evaluate the cost of old material? Is IMD fix any base price for this.? Please elaborate this point	A per tender document.
4	Page No-38 Clause No-2 Scope of Tender Point No 2.8	Data from AWS should be disseminated via FTP or TCP/IP to two static IP, one o IMD Pune Central Server and another to MC/RMC Server in .csv format. The details of data format for dissemination will be provided by IMD. The bidder has to configure Datalogger for data transmission as per user defined time interval (1 min to 60 minutes) as well as destinations and ensure the timely data reception at Central Receiving Station, Pune	The best way is data from AWS to be disseminated to IMD Pune Central server and from server it has to push up to MC/RMC server via FTP protocol in .csv format.	The Datlogger should pusg AWS data simultaneously to IMD Pune and MCs/RMCs.

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5	Page No-44 Clause No-6.2	Shall support SMS, Email, FTP and TC/IP.	Sim can be put on one protocol i.e. either SMS OR Email OR FTP OR TC/IP. Please clarify	A per tender document
6	Page No-46 Clause No-9. No 9.1	The supplier is required to establish the CDRPS at IMD, Pune in complete redundancy mode with hot standby.	As per Price Bid (Page No 29) four servers are required. Is it mean 1 server with three server on stand by mode ?	A per tender document
7	Page No-48 Clause No 9.13. Point C	(c) SAN storage with RAID 10 functionality, SAS hot plug disks, 14TB raw capacity	Is it mean 14TB Nash (Storage Device) require?	A per tender document
8	Page No-58 Clause no-16	Ist Consignment: 100 AWS System within one month from the date of placement of supply order and installation of Central Receiving Sever with application software. IInd Consignment: 100 System for installation within one month after delivery of first consignment of 100 AWS systems. IIIrd Consignment: 100 AWS and within one months after delivery of second consignment of 100 AWS systems. IV th Consignment: 100 AWS System and within one months after delivery of third consignment of 100 AWS systems	The all consignment delivery period needs to be atleast 2 months.	As per corrigendum issued in this regard
9	Page No-75 Annex VII	In Diagram fence shown as 12x15 Mtr	As per delivery schedule it should be 10x10 Mtr	Fencing is 10 m X 10 m.

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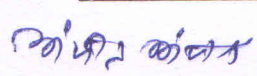


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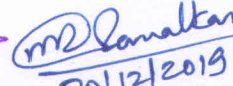
10	Page No-40, Clause- 4, F	For sensors, valid Certification from reputed International/ Indian Institute is to be submitted.	Please confirm if each sensor needs to be supplied with a valid calibration certificate with National/International accreditation.	NIST traceable is also accepted.
11	Page No-1, Clause -4 (3)	Closing date and time for submission of tender: 22-01-2020 /15:00 Hrs	Request to extend the Tender submission date by 2 week as the tender is elaborate and needs time for preparation.	As per tender document
12	Page No-38, Clause -2.9	The meteorological parameters is to be transmitted every minute by Datalogger to the Desktop computer through Ethernet port and are to be stored in the computer automatically as background operation.	We assume it is GSM/GPRS connection.	As per tender document
13	Page No-38, Clause -3.3	All Datalogger and sensors quoted by the bidder should have been used in Meteorological purpose sites for three years or more. The performance report of Datalogger and sensors from users is to be submitted with technical bids.	Does it mean that the same model should be offered which have been successfully installed in the last three years ?	As per tender document
14	Page No-39, Clause -3.3	Provision of Ethernet port in Datalogger and Application software to see the Graphical Display of AWS data in a Desktop PC as per user defined time interval (1 min to 60 minutes).	Since data is communicated through GSM/GPRS, ethernet clause may be removed. Alternatively, data can be displayed in a SD card as well. Kindly allow the same.	As per tender document
15	Page No-40, Clause -4.1 (4.1.1 (e) & 4.1.2 (c)).	Temperature and Relative Humidity Sensor with Radiation Shield e. Output Analog/ Digital	Assume that the digital output is for calibration purpose.	As per tender document





16	Page No-44, Clause -4.4	Pressure sensor b) Accuracy : $\pm 0.2$ hPa or better for complete range ( 600 to 1100 hPa)	Assume that the accuracy should hold for the entire operating temperature range & not just the ambient temperature.	As per tender document
IX	<b>M/s MTN Met Instruments Pvt. Ltd., Noida (Uttar Pradesh)</b>			
1.	Point No. 4.1.1 Page No. 37	Pt 100 RTD	Request you to also consider Sensirion (SHT35) type sensing element as it has better measuring range, reliability and simple wiring connection with datalogger.	As per tender document
2	Point no 4.2.1 Page No 38	Accuracy: $\square 0.5$ m/s or better	Please check the accuracy for wind speed sensor as there is no any sensor with this accuracy.	As per tender document
3	Point No. 6.1 Page No. 40	Key pad and display	Request you to accept external handheld keypad display/external mountable keypad display with datalogger as they help to saving power and are user friendly. In case the display gets damage, the external display can be replaced easily with new one without interruption of any functions of datalogger or without disturbing any other existing hardware	As per tender document
4	Point No. 3.20 Page No. 37	The firm should have sub offices with Address and Telephone Nos. in six regions of India (East, West, North, South, Central and North East) who can carry out installation and maintenance of	After winning the contract, please allow to appoint the resident engineers in place of registered offices for the maintenance of the AWS and also clarify the downtime	Corrigendum will be issued in this regard.




  
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		AWS at short notice		
<b>X</b>	<b>M/s Microcomm India Limited, Gurugram</b>			
1	<b>Para 4</b>	For all sensors offered, valid certification from NIST (National Institute for Standards and Technology, USA) /IMD/WRC is to be submitted. All sensors quoted in the technical bids will be tested in the IMD calibration Lab, Pune. It also states that For sensors, valid Certification from reputed International/ Indian institute is to be Submitted.	If IMD is calibrating the sensors as part of the technical evaluation, then prior certification may not be needed as it becomes infructuous. All calibrating certificates have validity, including IMD certificates, therefore calibration certificates at the time of bidding which may become invalid or expired. Kindly clarify the other organisation's certificates would be allowed and accepted.	NIST traceable will be accepted.
2	<b>Para 3 Sub para 3.5</b>	There should be separate GPRS modem and should not in built in Datalogger	For in-built GPRS Modem, external slot for SIM is not feasible. External Modem may kindly be accepted to meet this requirement.	As per tender document.
3	<b>Para 6 Sub-Para 6.1</b>	Keypad	WE have a very-friendly Touch Screen display in our Datalogger wherein we have a Touch Screen Keypad exactly the same or better than the hardware keypad	As per tender Document.
4	<b>Para II</b>	Data collection and Station management	For receiving data from existing systems via satellite (satellite based TDMA), would the Earth Receiving Stations should be provided by IMD? Or do we have to collect data from the existing Earth Receiving Stations into our Server, If Please provides the interface details and data formats.	It is for only GPRS based AWS stations.

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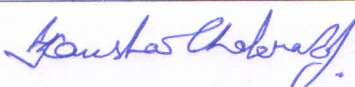
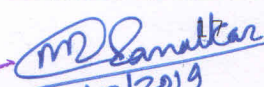
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XI	M/s OBEL System Pvt. Ltd, Hyderabad			
1.	Page No. 10 Point 8.2.7	IMD will provide the Custom Duty Exemption Certificate (CDEC) for imported items. In case the CDEC is not accepted the payment of custom duty will be reimbursed to the bidder by IMD on proof of actual payment.	IMD will provide the Custom Duty Exemption Certificate (CDEC) for imported items. In case the CDEC is not accepted the payment of custom duty will be reimbursed to the bidder by IMD on proof of actual payment. Please Clarify.	For INR quote, it is bidder responsibility for custom clearance of imported items.
2.	Page No 50 Para 13	TRAVELLING STANDARDS FOR INTER-COMPARISON OF AWS DATA AT FIELD SITES	Travelling standard kits for comparison of sensors at AWS sites (Temperature-Humidity, Pressure, Rainfall and Wind speed and wind direction). Provide technical specifications for the same .	As per tender document (Annexure-X)
3.	Page No.51 Para 16	Delivery schedule	Transportation of materials to AWS sites safely in good condition as per list enclosed in Annexure –I. Please clarify if transport charges to be quoted for One unit or for 400 (units /locations) since as per the bid document it is mentioned as One Item.	
4.	Page No. 37, Para 4(f)	For sensors, valid Certification from reputed International/ Indian institute is to be submitted.	Calibration certificate of all sensors with validity certificate is required for complete 400 Nos. or one set.	As per tender document.
5.	Page No. 16 Para 8	Earnest Money Deposit (EMD)	Earnest Money Deposit (EMD) will submit to IMD, New Delhi or IMD Pune.	IMD Delhi
6.	Page No. 37 Para 3.19	The firm has to dismantle the old mast, fencing and install new mast with fencing as per IMD specification	Buy back rate for old 10 m mast and accessories, old data loggers, sensors, solar panels, batteries and old concrete platforms in existing AWS sites	As per tender Document except Datalogger and sensors, Other items will be come



  
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				under buy back policy.
<b>XII.</b>	<b>M/s Precision Electronics Ltd., Noida</b>			
1.	SECTION – II Clause 8	The bidders who are registered on Tender submission date with National Small Industries Corporation, New Delhi, shall be eligible for exemption from EMD. Micro and small Enterprises specified by Ministry of Micro, Small & Medium Enterprises (MoMSME) are exempted from Earnest Money Deposit (EMD), who produce goods or provide their own services and not applicable for trading purpose. No entrepreneur or memorandum of application form is acceptable.	We are MSME unit with Udyog Aadhar Registration No. UK06B0000392 issued by Ministry of MSME, Govt. of India. (Certificate enclosed). We are registered to manufacture communication equipment under NIC code 2630 in general and specifically under 26303 & 26304. Like other bidders We are the established System Integrator (SI) who would be providing services with the experienced in house team and like others we will be buying sensors from an overseas OEM apart from in house manufacturing of Power supply, Mast, Data logger. Please confirm that we are eligible for exemption of EMD and tender Fee. This facility has been specifically provided by the present Government to the MSMEs of the Country to facilitate Make in India and their growth. The MSME certificate is attached for your reference.	As per tender Document

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2	SECTION – III Clause 1 & ANNEXURE - IV S. No 29	<table><tr><th>No</th><th>Network type</th><th>No. of Stations</th><th>Area to be covered with network</th></tr><tr><td>1</td><td>Automatic Weather Stations (AWS)</td><td>100</td><td>Replacement of existing old Sutron make AWS all over</td></tr><tr><td>2</td><td>Automatic Weather Stations (AWS)</td><td>115</td><td>Replacement of existing old Astron make AWS all over</td></tr><tr><td>3</td><td>Automatic Weather Stations (AWS)</td><td>85</td><td>Kerala State</td></tr><tr><td>4</td><td>Automatic Weather Stations (AWS)</td><td>100</td><td>North East India</td></tr></table>	No	Network type	No. of Stations	Area to be covered with network	1	Automatic Weather Stations (AWS)	100	Replacement of existing old Sutron make AWS all over	2	Automatic Weather Stations (AWS)	115	Replacement of existing old Astron make AWS all over	3	Automatic Weather Stations (AWS)	85	Kerala State	4	Automatic Weather Stations (AWS)	100	North East India	As per SECTION – III Clause 1 the quantity for old AWS is 100+115 = 215 but as per ANNEXURE – IV, S. No 29 for Price Bid format the Rates are asked for total buy back system of 200 Nos. only. Kindly confirm the actual AWS stations for buy back.	It is 200 only for buy back policy.
No	Network type	No. of Stations	Area to be covered with network																					
1	Automatic Weather Stations (AWS)	100	Replacement of existing old Sutron make AWS all over																					
2	Automatic Weather Stations (AWS)	115	Replacement of existing old Astron make AWS all over																					
3	Automatic Weather Stations (AWS)	85	Kerala State																					
4	Automatic Weather Stations (AWS)	100	North East India																					
3	Refer Section III clause no 2.11	Development of website (both in Hindi and English) as per GOI guidelines of the website, database driven approach, Linux based, use of latest software and also take up maintenance of website.	Please clarify whether Website to be developed using Windows or Linux	Linux OS																				
4	Refer Section III clause no 3.2	All equipment should be qualified for MIL GRADE or better specifications and suitable for outdoor applications.	Please clarify the requirement of MIL grade is only for connectors , cables not for equipments as specified	MIL grade for connectors only																				
5	Section-III Clause 3.3 (Overall Requirement s)	All data logger & Sensors quoted by bidder should have been used in Meteorological purpose sites for three years or more. The performance report of Data logger and sensors from users to be submitted with technical bids	Most of the front participant bidders are getting sensors from OEMs, it is proposed that to comply the eligibility conditions of submission of past experience certificate for its field proven, the certificates of OEMs are acceptable.	As per tender Document																				
6	Refer Section III Clause no 3.9	The system shall have facility to issue command for forced/manual transmission of data	Please specify Requirement of forced transmission of data	As per tender Document																				
7	Refer section III , clause no 3.20	The firm should have sub offices with Address and Telephone Nos. in six regions of India (East, West, North, South,	Bidders may be allowed to submit its current office locations with an undertaking for opening of the required offices in each of the six region	Corrigendum will be issued in this regard along with prebid minutes.																				

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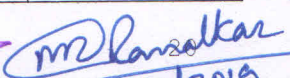
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		Central and North East) who can carry out installation and maintenance of AWS at short notice.	after award of the contract . Please confirm	
8	Section III Clause 4 (a)	For all sensors offered, valid certification from NIST (National Institute for Standards and Technology, USA) /IMD/WRC is to be submitted.	Please clarify that valid certification from NIST /IMD/WRC is required to be submitted for each one of the offered Sensor (AWS) along with technical proposal of Bid.	NIST traceable is also accepted
9	Section-III Clause 4 (f)	For sensors, valid Certification from reputed International/ Indian institute is to be submitted.	Does the valid certification require from NIST for all 400 nos of AWS at the time of supply or in each lot of 100 no of AWS a certificate for a pilot lot is permitted . Apart from the commercial impact it is a very time consuming and would effect the delivery period as asked in the RFP. Please clarify & amend accordingly.	NIST traceable is also accepted.
10	SECTION – III Clause 11	11. GPRS NETWORK SERVICE a) The supplier shall arrange to provide reliable 4G GPRS (3G Compatible) network with very good signal strength for all AWS across India from two different reputed commercial network service providers on its company name. The supplier should ensure 90% data reception on daily basis from each AWS site at central server.	1. As you are aware that n/w availability is limited in remote areas of NE & other proposed sites , then in that case how we can provide the 4G GPRS (3G Compatible) network with very good signal strength for all AWS. Kindly clarify. 2. Kindly also explain the mode of communication between AWS site to Central server.	As per tender document.
11	Refer Section III, Technical Specification clause no 16 Delivery	a) Delivery: Delivery of all equipment and accessories shall be done at respective sites in four consignments within	The delivery of the ordered equipment for 100% qty is to be completed in 4 months by supplying on an average of 100 numbers of AWS	Corrigendum will be issued in this regard along with prebid minutes

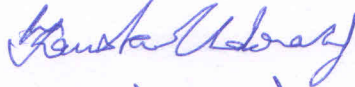
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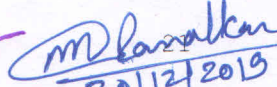
  
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	Schedule	<p>four months from the date of placement of supply order</p> <p>Ist Consignment: 100 AWS System within one month from the date of placement of supply order and installation of Central Receiving Sever with application software.</p> <p>IInd Consignment: 100 System for installation within one month after delivery of first consignment of 100 AWS systems.</p> <p>IIIrd Consignment: 100 AWS and within one months after Delivery of second consignment of 100 AWS systems.</p> <p>IVth Consignment: 100 AWS System and within one months after delivery of third consignment of 100 AWS systems</p>	<p>in every month from the date of PO, which is a very short time for its execution. It is proposed that delivery time may be extended for 6 months and another 6 months to be given for completion of its execution &amp; commissioning of all 400 no of AWS systems. This way it is proposed that entire project to be executed in 12 months from the date of release of PO at your end.</p>	
12	SECTION – III Clause 17.1	<p>17. Payment for supply, installation &amp; Commissioning for AWS , Central Data Receiving and Processing Server and AWS website.</p> <p>a) 40% after successful supply of hardware/material.</p> <p>b) 30 % after SUCCESSFUL installation of AWS, Central Data Receiving and Processing Server and AWS website and training at site.</p> <p>c) 20 % after SUCCESSFUL commissioning of AWS and Central Receiving and</p>	<p>The last 10% payment is held up till successful completion of the project for 400 AWS , it is proposed that competent tendering authority is already asking for submission of PBG @ 10% of the contract value covering its warranty obligations so no need to held up another 10% balance payment till completion of the project . It is requested that balance 10% payment may be released with the completion of each 100 no of AWS which will really ease up the financial burden on the bidders.</p>	As per tender document

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		<p>Processing Server and AWS website.</p> <p>d) 10% after SUCCESSFUL completion of the project (successful commissioning of all 400 AWS and Central Receiving Server, AWS website).</p> <p>e) It is to be noted that the bidder may submit bills for payment after completion of supply / installation / commissioning for minimum 100 numbers of AWS stations and thereafter the next 100 and so on.</p>		
13	ANNEXUR E - IV S. No 29	Buy back rate of old 10 m mast and accessories, old data loggers, sensors, solar panels, batteries and old concrete platforms in existing AWS sites.	We want to know the product model no. & their date of supply along with there location so that we can calculate buy back value & quote accordingly.	As per tender document
14	Refer Annexure VI	Tentative list of AWS Sites	The lat., long of balance sites not specified you are requested to provide the required information for balance sites for better understanding.	It will be provided at the time of supply order.
15	Annexure-XII 10 (C) Response Time	<p>Response Time: Bidder will provide Resident Engineers by 24 X 7 X 365 days during Three years comprehensive Warranty period and CAMC period. They should have SW background and should be available on all the days from 0000 HRS to 2300 HRS (Monday to Sunday including Holidays). They should be capable of handling the system including</p>	<p>As their any qualification creteria with minimum past experience requirement of Resident Engineer. Kindly clarify.</p> <p>Does the requirement of Resident Engineer on all the sites or limited to 6 Zones or limited to centralised location at IMD Pune. Kindly clarify</p>	As per tender document

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		OS, application software, its backup and restoration, network configuration including router, firewall and switches etc. The engineers should be equipped with mobile phones to ensure their availability.		
16	Refer Annexure XIII List of Deliverables	Sr no 29 , Buy back Rate of old 10 m mast & accessories old data logger , sensors , solar, panels, batteries & old concrete platforms in existing AWS sites	Please clarify that whether buy back of material includes Data logger, Sensors, Solar panels & battery OR only Mast, accessories & concrete platform.	Except Datalogger and sensors, all be under buy back policy.
17	Refer Annexure XIII List of Deliverables	Sr no 18 Operational training for each Nodal officer at all AWS sites	Please clarify whether operational training is to be provided during execution/installation of work not to be planned separately as it has got a commercial impact.	As per tender document
18	ANNEXURE - XIV	Block Diagram: MC/RMC Receiving Server	Kindly provide the total number of MC/RMC Receiving Server locations.	28 Nos. of RMCs/MCs
XIII.	<b>M/s Shiva Engineers</b>			
1	Page No 51 Para 16	DELIVERY SCHEDULE	We request you to please extend the delivery time to 6 months	Corrigendum will be issued in this regards
2	Page No. 49 Para 11	GPRS Network Service	Please confirm if GPRS network is available on all the sites	As per tender document
3	Page No 40 Para 6.1(v)	Keypad	Please allow us to quote external display with the data logger.	As per tender document
4	Page No 37 Para 4	Specification of sensors.	We request you to make the output for the pressure sensor as Analog/Digital.	As per tender document
5	Page No 39 Para 6.1	Processing and Data storage	Please allow us to quote options for external memory devices in place of Pen Drive	As per tender document

  
 Anurag Chandra  
 Director

  
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<b>XIV.</b>	<b>M/s S.G.S. Weather &amp; Environmental System Pvt. Ltd., Gurugram</b>			
1	Para 2.2 / 3.4 / 3.6 / 7.1 / 7.3 / 7.4	Two FRP enclosures, one for battery and another one for datalogger, GPRS modem, solar charge control. “A SMF Battery (12 V, 65 AH) may house in separate FRP Enclosure (IP 66)”.	Clarify whether 2 enclosures are required or 1 for all equipment can be used.	Two Enclosures.
2	Para 2.9	The meteorological parameters is to be transmitted every minute by Datalogger to the Desktop computer through Ethernet port	Firstly, specified communication interface is GPRS modem, not Ethernet; secondly data transmission every minute will increase required bandwidth and power consumption. <b>Clarify both issues.</b>	As per tender document
3	Para 2.2 / 3.1 / 3.6 / 5.1		Battery 65Ah and solar panel 40W should not be specified. Instead power budget must determine battery and solar panel for offered system according to autonomy requirement	As per tender document
4.	Para 3.1 & Para 5.2	Battery autonomy “for minimum period of 30 days on full load during total cloudy or foggy conditions. 15 days during cloudy day or without charging the battery	Battery autonomy “for minimum period of 30 days on full load during total cloudy or foggy conditions”. However, “15 days during cloudy day or without charging the battery”. Clarify.	It is 30 days.
5.	Para 3.2	All equipment should be qualified for MIL GRADE or better specifications and suitable for outdoor applications	“MIL GRADE or better”. Offered equipment must meet the requirements specified for each one in the respective section, but a general requirement of MIL Grade is confusing. Clarify and remove.	MIL grade is only for connectors.

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			shield.	
13.	Para 4.2.1	Wind speed sensor accuracy " $\pm 0.5$ m/s or better	Wind speed sensor accuracy " $\pm 0.5$ m/s or better" must be clarified because it is not feasible in the whole range. Typically, it is specified as: $\pm 0.x$ m/s up to MM m/s and y% for values greater than MM m/s.	As per tender document
14.	Para 6.1 iii)	RS232/USB/Ethernet Port to GPRS with SIM	This must be modified to "RS232/USB/Ethernet Port" or clarified because it would imply to provide two communication interfaces in the datalogger: GPRS and Ethernet. Note that GPRS can be a built-in module as per Para 6.1 viii) saving cost, power consumption, wiring and failures	As per tender document.
15.	Para 6.1 iii)	Compulsory Ethernet Port Data Output to local computer which can be configured to any Wireless Modem for communicating to Local Data Processing Computer and slave display computers (All Computers are not part of Tender). Data from Ethernet port to local computer shall be every one second. The data coming out of Ethernet port shall be in the CSV text format".	<p>This paragraph must be removed / modified because:</p> <p>Ethernet port could be RS232/USB/Ethernet Port" to local computer.</p> <p>b. Wireless modem should be removed because GPRS is already specified for communicating to Data Processing Computer and slave display computers (local or remote).</p> <p>c. "Data from Ethernet port to local computer shall be every second" implies sending instantaneous sampled data (1 Hz) to external computer, and processing of this data is carried out by datalogger as per Para 6.1 vi).</p> <p>d. "The data coming out</p>	As per tender document

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18.	Annexure VIII	Application Software for Desktop Computer at Local AWS Site	. The general requirement must be clarified. It seems to be a mini-AWOS at aerodrome with one AWS. This should be removed or separated from 400 AWS specification. See also above clarifications / comments about Ethernet port	As per tender document.
<b>XIV</b>	<b>M/s S S Trading Corporation, Delhi</b>			
1.	Page no. 9 point no. 8.1.5:	Copy of agreement between bidding firm in India and their foreign principal indicating precise relationship between them and their mutual interest in this tender must be furnished along with their technical bid.	Does the Indian firms has to attach a complete agreement between them and their foreign principal indicating precise relationship between them and their mutual interest in this tender or only Manufacturer Authorization Certificate is acceptable?	As per tender document
2	Page no. 10 point no. 8.2.7:	IMD will provide the Custom Duty Exemption Certificate (CDEC) for imported items. In case the CDEC is not accepted the payment of custom duty will be reimbursed to the bidder by IMD on proof of actual payment.	If the CDEC is not accepted than will IMD reimburse the complete custom duty i.e. Basic + 10% surcharge on basic duty + GST or only Basic + 10% surcharge on basic duty?	The bidder quoted in INR, the custom clearance of imported sensors will be responsibility of the bidder.
3	Page no. 38 point no. 3.1:	Backup on battery is mentioned as 30 days during cloudy foggy weather whereas on page no. 42 point 5.2 it is mentioned as 15 days.	Please clarify which one is correct?	It is 30 days
4	Page no. 39 point no. 3.12:	AWS data can also be made available to PC available to nearby Building at AWS site by OFC cable as per user defined time interval (1 min to 60 minutes).	Please elaborate this point.	OFC is not part of tender document.

Price list

Sanjay Chahal  
Director

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5	Page no. 39 point no. 3.16:	Bidder will provide Resident Engineers during Three years comprehensive Warranty and five years CAMC period. They should be available on all the days from 0000 HRS to 2300 HRS (Monday to Sunday including Holidays). They should be capable of handling the system including OS, application software, its backup and restoration, network configuration including router, firewall and switches etc. They should be equipped with mobile phones to ensure their availability	Does that mean that the bidder should provide a resident engineer to all 400 sites? Please elaborate this point. Please also confirm that the engineer will be provided a space to sit at IMD site.	Resident engineer is required at IMD Pune.
6	Page No. 37 Para 3.21	The firm shall provide presentation and demonstration of the complete AWS system including sensors, Datalogger, Communication equipment (GPRS) etc. as per RFP, offered in their bids at No cost and No commitment basis as a part of Technical Evaluation at IMD Pune. Failure and/or Non-compliance of any component during the above period will be liable to cancel the bid.	Please clarify will the firms have to give presentation and demonstration of the complete AWS on table or have to install the system at field for testing? Please also clarify will IMD test the sensors in their calibration labs with their standard sensors?	Dataloggers and sensors and all software mentioned in tender document is to be demonstrated.
7	Page no. 43 Keypad	Inbuilt keypad and inbuilt backlit LCD/LED display with menu driven facility to display the command, data characters. Facility to Input station parameters such as Station ID (Alphanumeric),	As per the latest technology all the configurational changes can be made remotely through FTP servers, or Ethernet ports. However if IMD still wants to change and input any parameters through keypad so we	As per tender document

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		Station name (Alphanumeric), calibration constants offset and slope of sensors etc.	suggest to allow to upload the required changes through USB drive i.e. the required changes can be saved on the USB pen drive and after connecting the USB pen drive to data logger the changes can be uploaded on the data logger with the help of keys.	
8	Page no. 55 point 11.c:	There should be provision for SMS and IP based communication with Datalogger remotely to access and also configure the Datalogger through GPRS modem.	We request you to please elaborate this point.	As per tender document
9	Page no. 60 point 18.e:	The bidder should have minimum annual turnover of INR 5 Crores for past three years ending on 31.03.2019. Necessary documentary evidence in support of turnover shall be submitted with technical bid. Annual financial performance for past three years should be submitted. Out of three years the company must have made profit at least for two years	Being this project is of integration with imported OEM parts and the same has to integrate with local indigenous parts so the combined turnover must be considered for qualification criteria. As the same is applicable for qualification criteria as per clause no. 18.a mentioned at page no. 60.	As per tender document.
10	Page no. 88 List of deliverables point no. 5	Datalogger with IP-67 compliant Enclosure with mounting accessories and USB pen drive (16 GB or more) for data retrieval	In list of deliverables it is mentioned as Data logger with IP67 compliant enclosure but in specifications enclosure box to carry data logger is IP66. Please clarify	It is IP 66 only
11	Page no. 89	List of deliverables point no. 19: Recurring cost towards payment of GPRS services	It is mentioned that recurring cost towards payment of GPRS services is to be provided during one year warranty period whereas the	The bidder will be responsible for payment of GPRS service charge

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			warranty is for three years. Please clarify. Please also clarify who will be responsible for GPRS services cost during 5 years CAMC period.	during 3 years warranty and 5 years comprehensive AMC.
12			Please clarify is it acceptable to IMD if the firm quote alternative model from different manufacturers for same sensor?	Only one make and model sensor will be considered.

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