



**India Meteorological Department
Mausam Bhawan, Lodi Road
New Delhi-110003**

NOTICE INVITING TENDER (NIT)

Tender Enquiry No. CPU/53/0917/1513 Dated: 07.01.2020

1. Director General of Meteorology (DGM), India Meteorological Department (IMD), Ministry of Earth Sciences (MoES), Government of India, on behalf of President of India, invites ONLINE tenders in Two Bid System, One Technical Bid & One Price Bid, for procurement of following Goods from eligible and qualified Bidders.

2. Name of Goods : GPS Based Pilotsondes

3. Specification and Quantity : As per "RFP" (Quantity = 16,000 Nos.)

4. Tender Schedule :

1.	Closing date and time for submission of tender	18.02.2020 at 1700Hrs.
2.	Tender (Bid) Opening date & time	20.02.2020 at 1500Hrs.
3.	Place of Tender Opening	Central Purchase Unit, O/o DGM, Mausam Bhawan, IMD, Lodi Road ,New Delhi.
4.	Pre-Bid Meeting	Not Applicable

5. Earnest Money Deposit (EMD): **Rs.8,40,000/-** (Rupees Eight Lakh Forty Thousand only)/ USD 12000.00 (US Dollars Twelve Thousand Only)/ EUR 11000.00 (Euro Eleven Thousand Only). The EMD should be either in the form of Fixed Deposit Receipt (FDR) or Bank Guarantee (B.G.) issued by any Bank in India. The Bank Guarantee (B.G.) issued by a Foreign Bank must be duly certified by an Indian Bank also.

Any other form of EMD is not acceptable.

6. EMD documents should be issued in the favour of "DDO, O/o Director General of Meteorology, IMD, New Delhi" and payable at New Delhi.

7. Bidders may download the **Tender Enquiry Document** from the web site www.imd.gov.in or www.eprocurement.gov.in/cpp and read the tender documents carefully before uploading their Bids on CPP Portal.

8. (a) SSI, Micro and Small Enterprises registered as manufacturers for the goods specified in this tender with any of the government bodies specified by Ministry of Micro, Small & Medium Enterprises (MoMSME) are exempted from submitting the Earnest Money Deposit (EMD).

(b) The Firms, other than SSI, who are registered as manufacturers for stores and services with NSIC, are also exempted from submitting the EMD.

(c) The Firms claiming exemption in EMD must submit a Hard Copy of their valid registration certificate on or before the date of opening of tender.

9. Bidders shall ensure that their bids are complete in all respects before uploading the same on CPP Portal. CPU will not be held responsible for any delay or corruption in the uploaded bids.
10. In the event of the tender opening date being declared as holiday for the purchase organization, the tender will be opened on the next working day. The venue and time of tender opening will remain the same.
11. Purchaser : The President of India
Through Director General of Meteorology,
India Meteorological Department,
Lodi Road, New Delhi-110003
12. Consignee: DGM (UAID),
India Meteorological Department,
Lodi Road, New Delhi-110003
13. Inspecting Authority: Director General of Meteorology,
India Meteorological Department,
Lodi Road, New Delhi-110003.
14. Inspection officer : Authorized Representative of Inspecting Authority

Director, Central Purchase Unit (CPU)
O/o Director General of Meteorology,
India Meteorological Department,
Lodi Road, New Delhi-110003.
Telefax No: 011-24698148



भारत मौसम विज्ञान विभाग
लोदी रोड, नई दिल्ली -110003

निविदा आमंत्रित करने की सूचना (एन आई टी)

निविदा जाँच सं. CPU/53/0917/1513 दिनांक : 07.01.2020

1. मौसम विज्ञान के महानिदेशक (मौ.वि.म.नि.) भारत मौसम विज्ञान विभाग (भा.मौ.वि.वि.) पृथ्वी विज्ञान मंत्रालय, भारत सरकार, भारत के राष्ट्रपति की ओर से नीचे लिखे सामान की आपूर्ति के लिए दो बिड प्रणाली अर्थात (तकनीकी बिड और दर बिड) में अर्हक निविदाकारों से ऑनलाइन टेंडर आमंत्रित करते हैं ।
2. सामान/ वस्तुएँ/ सेवाओं का नाम: GPS Based Pilotsondes
3. विनिर्देशन और मात्रा: As per "RFP" (Quantity = 16,000 Nos.)
4. निविदा अनुसूची

1	निविदा जमा करने की अंतिम तिथि व समय	18.02.2020 17:00 बजे
2.	निविदा (बिड) खोलने की तिथि व समय	20.02.2020 15:00 बजे
3.	निविदा खोलने का स्थान	केंद्रीय क्रय एकक, मौ.वि.म.नि. का कार्यालय, भा.मौ.वि.वि , लोदी रोड, नई दिल्ली
4.	प्री बिड कांफ्रेंस	लागू नहीं

5. बयाना जमा राशि (ई एम डी): **₹ 8,40,000/-** (रूपये आठ लाख चालीस हजार केवल) / **USD12000.00** (यू एस डालर बारह हजार केवल), **EURO 11000.00** (यूरो ग्यारह हजार केवल)।
ई एम डी किसी भी भारतीय बैंक से बनी केवल एफ डी आर (Fixed Deposit Receipt) या बैंक गारंटी (Bank Guarantee) के रूप में होनी चाहिये । अन्य प्रकार की ईएमडी स्वीकार्य नहीं है ।
6. ईएमडी के कागज़ "DDO, O/o Director General of Meteorology, IMD, New Delhi" के नाम पर बनाये जायें जिसका भुगतान New Delhi में हो ।

7. निविदाकर्ता www.imd.gov.in और www.eprocure.gov.in वेबसाइट से निविदा जांच कागजात डाउनलोड कर सकते हैं और डाउनलोड किए गए कागजात ध्यान से पढ़कर अपनी निविदा सी पी पी पोर्टल पर डालें ।
8. (ए) लघु, लघु और मध्यम उद्यम मंत्रालय (एमओएमएसएमई) द्वारा निर्दिष्ट किसी भी सरकारी निकाय के साथ इस निविदा में विनिर्दिष्ट भंडार और सेवाओं के निर्माताओं के रूप में पंजीकृत एसएसआई, माइक्रो और लघु उद्यमों को बयाना जमा राशि (ईएमडी) जमा करने से छूट दी गई है।
- (बी) एनएसआईसी के साथ भंडार और सेवाओं के निर्माताओं के रूप में पंजीकृत एसएसआई के अलावा अन्य फर्मों को भी ईएमडी जमा करने से छूट दी गई है।
- (सी) ईएमडी में छूट पाने के लिये फर्मों को वैध प्रमाणपत्र की फोटो प्रतिलिपि निविदा खोलने की तिथि तक जमा करानी होगी ।
9. निविदाकर्ताओं को यह सुनिश्चित करना होगा कि उनकी सभी निविदाएँ सभी तरह से पूर्ण हैं किसी भी प्रकार के विलम्ब अथवा नुकसान के लिए क्रय संगठन जिम्मेवार नहीं होगा ।
10. यदि निविदा खोलने की तारीख के दिन क्रय संगठन का अवकाश घोषित होता है तो निविदा अगले कार्य दिवस को खोली जाएगी । निविदा खोलने का स्थान और तारीख वही रहेंगे ।
11. क्रयकर्ता: भारत के महामहिम राष्ट्रपति
भा.मौ.वि.वि.के माध्यम से
भारत मौसम विज्ञान विभाग,
लोदी रोड, नई दिल्ली-110003
12. परेषिति: मौसम विज्ञान के महानिदेशक (यू ए आई डी)
भारत मौसम विज्ञान विभाग
लोदी रोड, नई दिल्ली-110003
13. जाँच प्राधिकारी: मौसम विज्ञान के उपमहानिदेशक (यू आई)
भारत मौसम विज्ञान विभाग
लोदी रोड, नई दिल्ली-110003
14. जाँच अधिकारी: जाँच प्राधिकारी का प्राधिकृत प्रतिनिधि
निदेशक, केंद्रीय क्रय एकक(कें.क्र.ए) ,
मौसम विज्ञान के महानिदेशक का कार्यालय,
लोदी रोड, नई दिल्ली- 110003
टेलीफैक्स सं. : 011-24698148



**India Meteorological Department
Mausam Bhawan, Lodi Road
New Delhi-110003**

E-Tender Enquiry No. CPU/53/0917/1513 Dated: 07.01.2020

**SECTION – I
GENERAL INSTRUCTIONS OF TENDER (GIT)**

1. Introduction

The Purchaser has issued this Tender Enquiry (TE) document for purchase of “GPS Based Pilotsondes” as per the details mentioned in Section “RFP”, which also indicates *inter alia*, the required stores, delivery schedule, terms and place of delivery etc.

This section - “General Instructions of Tender (GIT)” provides the relevant information as well as instructions to assist the prospective bidders in preparation and submission of their online tenders.

2. Language of Tender

The tender submitted by the bidder as well as all the subsequent correspondence and the documents related to the tender (to be exchanged between the bidder and the purchaser), shall be written in English language only.

3. Eligible Goods and Services

All goods and related services to be supplied shall have their origin either in India or in any other country with which India has not banned the trade relations. The term “origin” used in this clause means the place where the goods are mined, grown, produced or manufactured or from where the related services are arranged and supplied.

4. Tendering Expense

The bidder shall bear all the costs and expenditure incurred and/or to be incurred by it in the preparation, mailing and submission of its online tender including arrangement for demonstration of Products/Services or Field trials that may be deemed necessary by the Purchaser.

5. Regular visit of website for Tender Enquiry Documents and Amendments

Prospective bidders are advised to see CPP portal eprocure.gov.in/eprocure on regular basis for any change in NIT schedule, amendment / corrigendum in Tender Document including technical requirements, etc.

6. Amendments in Tender Enquiry Documents

At any time, prior to the deadline for submission of the tenders, the purchaser may, for any reason deemed fit by it, modify the Tender Enquiry Documents by issuing suitable amendment(s) to it. The amendment will be notified on CPP Portal and IMD web site. In order to provide reasonable time to the prospective bidders to take necessary action in preparing their tenders as per the amendment, the purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

7. PRE-BID CONFERENCE:

Pre-bid conference shall be held as per NIT schedule so as to provide an opportunity to the participating bidders to interact with IMD with regard to various tender provisions/clauses, before the bids are submitted. The bidders may send their queries and clarifications to this office before commencement of the pre-bid meeting. No reply in this regard shall be sent to individual bidders. Bidders should depute their authorised representative to attend the pre-bid meeting. In case the queries/points/doubts raised by the prospective bidders are accepted, the same will be considered for modification. After pre-bid conference, tender conditions will be frozen. **No change will be permissible after opening of Technical Bids.** The minutes of the Pre-Bid conference shall be uploaded on CPP Portal (<https://eprocure.gov.in/eprocure>).

8. Documents Comprising the Tender

Tender Enquiry Document seeks quotation in two parts by following **TWO Bid System**.

The First Part will be known as **'Techno-Commercial Bid'**, and the Second Part will be known as **'Price Bid'** (Details given below).

(A) TECHNO-COMMERCIAL BID (UN-PRICED BID)

- (a) Checklist section (Annexure-I) properly filled and signed.
- (b) Earnest Money Deposit (EMD) Document or MSME/NSCI certificate for EMD exemption
- (c) Technical proposal.
- (d) Compliance statement/table.
- (e) List of deliverables (un-priced) with make & model etc. **This should be exactly same as attached in the price bid.**
- (f) Documentary evidence for eligibility.
- (g) Tender Acceptance Letter (See Annexure) duly signed. (Bidder has to agree to accept all the terms & conditions of the Tender Enquiry Document).
- (h) The bidder, who quotes for goods manufactured by some other manufacturer, shall furnish Manufacturer's Authorisation Form. (See Annexure)
- (i) Authorization Letter from the foreign principal (Authorizing Indian representative to submit the tender document on behalf of foreign principal) must be enclosed with technical bids, otherwise bids may be either ignored or not considered for technical evaluation.

(B) PRICE BID

- (a) All the pages of the price bid should be numbered, indexed and duly signed by the authorized signatory.
- (b) Prices should be quoted as per price schedule format (Annexure-VI). The domestic Bidder shall indicate on the Price Schedule specifying all components of prices shown therein including the unit prices and total tender prices of the goods, services, packing, inland transportation/freight/insurance to the sites and GST etc. against the requirement.
- (c) In case any charges are not mentioned in the price bid, it will be treated as "all the charges are free of cost for that item".
- (d) Indian bidder shall quote prices on F.O.R destination (sites of consignee) basis. The Indian bidder supplying indigenous goods or already imported goods shall also quote only in Indian Rupees. Payment will be made to Indian vendor in INR only.
- (e) Foreign bidder shall quote prices on F.O.B. basis (For goods supplied directly from abroad).
- (f) Unless otherwise specified, prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account except statutory levies, taxes and duties etc., if any, chargeable on the goods are payable.
- (g) If there is a discrepancy between the amount expressed in words and figures, the amount expressed in words shall prevail and will be treated as final.
- (h) The Supplier shall bear all the Income-tax liability as per rates prevailing at the time of undertaking the job in accordance with the Income-Tax Act in force in India.
- (i) Price bid shall prima-facia be rejected in case of any deviation from the technical bid of the bidder and if there is any fact concealed or hidden in price bid/technical bid.

The Bidders shall have to agree/accept all the terms and conditions of the tender including payment etc. Acceptance shall be unconditional and bidders shall have no claim and right in future on their terms if any.

9. Preparation of Tenders

A bidder shall complete all the documents of its tender, duly signed and stamped. The bidder shall scan all the documents and save them in PDF format.

10. Submission of Tenders

The bidders shall upload the soft copy of the tenders (In PDF Format) on CPP Portal within the specified date/time of submission of the tender as mentioned in the NIT document.

11. Alteration of Tender

The bidder, after submitting its tender, is permitted to alter / modify and upload its tender any number of times before the last date/time for submission of tender. The earlier tenders will get cancelled automatically and the latest uploaded tender will remain effective.

12. Opening of Tenders

The purchaser will open the tenders at the specified date, time and place as indicated in the NIT document. In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day. The bids downloaded by this office from CPP Portal will be available for the bidders automatically. The bidders need not come to this office as they can also download the bids directly from the CPP Portal. In case the bidders wish to come to this office during tender opening, they must bring an Authorization Certificate from their respective firms. The process of opening of the tenders in Two Bid System is as follows.

First Stage : The **Technical Bids** are to be opened in the first stage on/after the prescribed date and time. These Bids are then scrutinized and evaluated by the Technical Evaluation Committee (TEC) constituted by the competent authority with reference to the parameters prescribed in the Tender Enquiry Document. The bidders whose Technical Bids are found responsive and acceptable will pass on to the second stage. The details of the bidders, whose Technical bids have been accepted, will be uploaded on the CPP Portal along with the date of opening of their Financial/Price Bids.

Second Stage : The Price Bids of technically qualified bids only will be opened. The Price Bids will be scrutinized by CST Committee constituted by the competent authority. The report of the CST committee will decide the lowest bidder. This report will also be uploaded on CPP Portal.

13. SCRUTINY AND EVALUATION OF TENDERS

(1). Unresponsive bids: The tenders will be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions etc. as prescribed in the Tender Enquiry Document. The tenders are liable to be treated as non-responsive and will be summarily ignored if following documents are not provided along with technical bids.

- (a) Checklist (Annexure-I).
- (b) Registration certificate of the bidding firm with government body in their country. (Credential/document not attached).
- (c) Tender Acceptance Letter (Annexure-II) is not duly signed and stamped. (Bidder has to agree to accept all the terms & conditions of the Tender Enquiry Document)
- (d) Tender Validity Period is shorter than the required period.
- (e) Required EMD (Amount, Validity, etc.)/ Exemption document have not been provided.
- (f) In case of foreign bidders, the Bank Guarantee issued by foreign bank is not duly verified by the Indian Bank.
- (g) Bidder has not agreed to deposit the required performance security (In case of allotment of the tender).

- (h) Copy of agreement of Indian agent with its foreign principal with the precise relationship between them and nature of services which would be available from Indian agent. Copy of this agreement must be attached with the tender.
- (i) By any means/reason, the incomplete bid uploaded on e-procurement.gov.in shall be treated as Unresponsive.

(2). Technical Evaluation:

The Technical Bids will be scrutinized and evaluated by the Technical Evaluation Committee (TEC) constituted by the competent authority with reference to the parameters prescribed in the TE document. During the Technical Bids scrutiny, the members of the TEC will read the salient features of the bids like Delivery Period, Earnest Money Deposit, other special features of the bids, as deemed fit.

Minor Informality/Irregularity/Non-Conformity:

If, during the preliminary examination, the purchaser finds any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the bidders. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the bidder asking the bidder to respond by a specified date and to provide the required documents to this office. If the bidder does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

(3) Financial Evaluation:

In the second stage, the Price Bids of technically qualified bidders only shall be opened for further scrutiny and evaluation. The ultimate/landing cost in respect of store is arrived at by considering following elements:

(A) Indigenous stores

- (a) Basic price
- (b) Goods and Service Tax (GST), as applicable in India
- (c) Insurance, freight and transportation of goods up to user sites

(B) Imported stores

- (a) In case of the foreign bidder or the vendor bidding on behalf of its foreign principal, Custom Duty shall be applicable as per the rules of Govt. of India. The Custom Duty Exemption Certificate for imported stores shall be provided by IMD on request of the firm.
- (b) Sea Freight and Insurance charges @ 10% of Net FOB price shall be applicable.
- (c) Landing/Clearing and Bank Charges @ 1% of Net FOB price shall be applicable.
- (d) Goods and Service Tax (GST), as applicable in India shall be applicable.
- (e) In case the charges are not mentioned in the price-bid for an item (either intentionally or by mistake), it will be treated as all the charges are free of cost for that item.
- (f) Conversion rate of foreign currency to INR will be taken as per the BC selling rate of exchange of State Bank of India prevailing on the date of opening of the price bid.

14. Packing and Marking

The packing for the goods to be provided by the supplier should be strong and durable enough to withstand (Without limitation) the entire journey during transit including shipment (if any), rough handling, open storage etc. without any damage or deterioration of the packed goods.

15. Inspection, Testing and Site Acceptance Test (SAT)

The purchaser/consignee reserves the right to inspect goods before their dispatch if required in technical requirement. Goods accepted by the purchaser/consignee and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's/consignee's right to reject the same later, if found deficient in terms of the warranty clause of the contract. Purchaser will not undertake any Pre dispatch inspection, unless mentioned, for imported stores in the suppliers country of origin and equipment will be sent to the supplier on the basis of supplier own inspection at the premises and guarantee and warranty. The equipment will be accepted subject to final inspection and test before handing over the equipment to consignee.

SECTION – II

GENERAL CONDITIONS OF TENDER (GCT)

1. Whenever there is any conflict between the provision in the GCT under this section and that in the section “RFP”, the provision contained in the section “**RFP**” shall prevail and have an over-riding effect, i.e.

THE DETAILS GIVEN IN THE RFP WILL BE TREATED AS FINAL.

Any Special instructions or conditions like delivery schedule, mode of delivery & sites of delivery etc., mentioned in “RFP” section will also be applicable.

2. **Eligible Bidders :** The Firms in followings categories are eligible to participate in tender subject to fulfil other criteria in technical requirement section.

- (a) Indian/Foreign Manufacturers of the required stores.
- (b) Authorized Dealer/Supplier/Distributor of Indian manufacturer/Foreign principal. The bidder shall have to submit authorization certificate from manufacturer that they will provide service support after sale.
- (c) Indian agent on behalf of foreign principal. A copy of the agreement between Indian agent and the foreign principal with the precise relationship between them, their mutual interest and nature of services should be available with the Indian agent. The Purchase order shall be placed to India agent (In INR) only.

3. **Alternative Tenders :**

Alternative Tenders are not permitted. However the bidders can quote alternate models meeting the tender specifications of same manufacturer with single EMD.

4. **Validity of Tender**

The tenders shall remain valid for acceptance for a period of 180 days (One Hundred Eighty Days) for Technical Bid and 240 days (Two Hundred Forty Days) for EMD after the date of opening of tender as prescribed in the TE document.

5. **Purchaser’s Right to accept any tender and to reject any or all tenders.**

The purchaser reserves the right to accept in part or in full any tender or reject any tender without assigning any reason or to cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder(s).

6. **Earnest Money Deposit (EMD)**

The bidder shall furnish along with its tender, earnest money for an amount as shown in the tender notice. The earnest money is required to protect the purchaser against the risk of the bidder’s unwarranted conduct.

The bidders who are registered with SSI/ MSME/ NSIC, for the specific goods/ services (to be procured) as per tender enquiry specifications, at the time of submission of the Tender, are exemption from EMD. These bidders must submit a hard copy of their valid registration certificate in this office.

The EMD shall be furnished in the form of Fixed Deposit Receipt (FDR) or Bank Guarantee (BG) (as per annexure-IV) from any commercial bank doing business with the government. FDR should be issued in the favour of “DDO, O/o Director General of Meteorology, IMD, New Delhi”.

Any other form of EMD is NOT acceptable.

The earnest money shall be valid for period of at least 240 days from the date of opening of tender, i.e. Sixty days beyond the validity period of the tender.

Refund of EMD: The EMD deposited by the Unsuccessful bidders will be returned to them (**Without any interest**) after expiry of the tender validity period. The EMD deposited by the Successful bidder(s) will be returned (**Without any interest**) after receipt of the Performance Security submitted by the bidder. The bidders have to submit pre receipt for obtaining their EMD in the **FORM GAR 43D** (annexure-V) in duplicate with original signatures. One form should be affixed with revenue stamp.

The clause “Encashment/release of FDR/BG requires clearance certificate from Purchaser i:e DGM, IMD” must be mentioned in issued FDR/BG by Bank.

Forfeit of EMD: Earnest money deposited by a Bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to notice that the information/documents furnished in its tender is incorrect, false, misleading or forged without prejudice to other rights of the purchaser. The EMD deposited by the Successful bidder will be forfeited without prejudice to other rights of Purchaser if supplier fails to furnish the required performance security within the specified period.

Firm shall have to extend the validity of EMD if extension of tender validity is agreed on the request of purchaser in exceptional cases.

7. Performance Security

Within twenty one (21) days from date of the issue of notification of award by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount equal to ten percent (10%) of the total value of the Supply Order, valid up to sixty (60) days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.

PERFORMANCE SECURITY HAS TO BE SUBMITTED BY THE SUCCESSFUL BIDDER, IRRESPECTIVE OF ITS REGISTRATION WITH NSIC/MSME. PERFORMANCE SECURITY IS NOT RELAXED TO ANY SUPPLIER.

The Performance Security shall be either in the form of Fixed Deposit Receipt or Bank Guarantee drawn/issued by a commercial bank doing government business in the prescribed form in favour of the purchaser. In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.

The purchaser will release the Performance Security without any interest to the supplier on completion of the supplier’s all contractual obligations including the warranty. The supplier shall submit pre receipt for obtaining their security.

8. Terms of Delivery

Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the Supply Order. Generally it is F.O.R. destination (in case of domestic supply) and F.O.B. in case of foreign supply. Suppliers should not deliver the goods without any valid delivery period. Purchaser shall not be held responsible for any thing (payment and loss of stores etc) if stores supplied without any valid delivery period as purchaser reserve the right to reject the delivery and terminate the supply order.

9. Delivery schedule: As per RFP.

10. Warranty: As per RFP.

11. Penalty clause/Liquidated damages clause (LD)

The supplier shall deliver the goods as per the Supply Order within the time schedule specified by the purchaser in the “RFP” section. The delivery date, unless delivery is divided, on which all the

items/stores/materials/services etc as per Supply Order are delivered shall be taken into account for penalty/LD purpose.

The purchaser shall, without prejudice to other rights and remedies available to the purchaser under the contract, deduct from the contract price a sum equivalent to 0.5% (half percent) per week of delay or part thereof on delayed supply of goods and/or delayed services subject to a maximum of 10% of the contract price of delayed items.

Once the maximum is reached purchaser may also consider followings:

- (a) Forfeiture of its performance security and
- (b) Termination of the contract for default.

The supplier shall not be held responsible for any delay in custom clearance by purchaser, handing over proper site by consignee and any other delay in part of consignee/purchaser if responsible. These periods shall not be counted in LD. The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the purchaser for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser. **The supplier shall inform to the purchaser (CPU) directly in writing about these delays on part of IMD.**

12. Award Criteria and Tolerance Clause:

The Supply Order shall be issued to the eligible responsive tender evaluated as the most economical, technically qualified and suitable to the requirements subject to the availability of funds. The purchaser reserves the right to increase or decrease the quantity of required goods up to plus minus fifteen percent ($\pm 15\%$) till the placement of supply order without any change in the terms & conditions and prices quoted by the bidders.

13. Modification of contract

If necessary, the purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by making alterations and modifications within the general scope of contract. If the supplier doesn't agree to the adjustment made by the purchaser, the supplier shall convey its views to the purchaser within fifteen (15) days from the date of the supplier's receipt of the purchaser's amendment / modification of the contract.

14. Custom Duty

In case of Foreign bidder and an Indian agent quoting on behalf of its foreign principal, the Custom Duty Exemption Certificate shall be provided by IMD on request by the firm only for the imported items. If additional Custom Duty is paid by the Indian agent, the same shall be reimbursed by IMD on submission of original documents. All other charges like Landing/Clearing/Bank Charges, Freight/Insurance Charges on imported stores will have to be paid by the vendor.

15. Taxes and Duties in India:

- (1) **Duty and Local Taxes:** As per Govt. of India Rules, the applicable GST shall be paid to the successful bidder/supplier. Normally, the materials to be supplied to Govt. Departments against Govt. contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However, the local Town/Municipal Body regulations, at times, provide for such exemption only on production of exemption certificate from any authorized officer. The suppliers should ensure that the stores ordered against contracts placed by this office are exempted from levy of town duty/Octroi duty, Terminal tax or other local taxes and duties. Wherever required, they should obtain the exemption certificate from the consignee concerned, to avoid payment of such local taxes or duties. The supplier shall pay the Octroi, entry tax etc. if exemption certificate not agreed by local authorities and same may be got reimbursed from purchaser on proof of payments.

Supply of Road Permits by the consignees: In all such cases where the requirement of Road Permit for entry of goods into a particular State is mandatory, the following provisions shall be strictly followed: -

- (a) The supplier shall request the consignee for providing Road permit/ Way bill within 10 days of the receipt of the Supply order. The supplier shall furnish all the necessary information and documents in this regard to consignee.
 - (b) On receipt of the above request from the supplier, the consignee concerned shall arrange to provide the Road permit/Way Bill in the prescribed form to the supplier within a maximum period of two weeks so that the same reaches the supplier before the dispatch of the stores. However, in cases where the Road permit/Way Bill is issued on proof of actual invoice of the material, the consignee shall arrange to provide the Road permit/Way Bill from appropriate authorities within a maximum period of 5 days from the receipt of invoice.
 - (c) The supplier shall pay the local charges/taxes if exemption certificate not agreed by local authority and same will be reimbursed by purchaser on submission of receipt. The supplier shall not be held responsible for any delay in supply due to non- supply/delayed supply of Road permit.
- (2) **Income Tax:** Deduction of Income Tax at Source from the payment to the suppliers shall be done as per existing law in force. The bidders (Foreign as well as Indian) may visit the website of Income Tax Department of India for details of Tax Liabilities, Rules, and Procedures etc. The bidders shall have to provide their Permanent Income Tax Number (PAN) and TAN. Firm may also mention the applicable rates of TDS as per DTAA with India. Copy of same may also be enclosed. Foreign vendor shall have to mention the details of establishment in India if any.

16. Terms and Mode of Payment

Payment Terms: Payment shall be made subject to recoveries, if any, by way of the liquidated damages/penalty clause /TDS or any other charges as per the payment terms of the Supply Order if not specified elsewhere in the document.

- (A) In case of Indian Bidders, 100% payment shall be made after successful installation and acceptance of the stores at each site. As the stores are to be delivered and installed at 20 (Twenty) sites, the supplier shall complete the installation and submit separate Invoice for each site for making the 100% payment for each site.
- (B) In case of Foreign Bidders, 70% payment shall be released after receipt of the stores at each site. Balance 30% payment shall be released after successful installation and commissioning of stores at all sites. The payment shall be made by establishing Letter of Credit through Bank.

The bidder shall submit following detailed particulars of his bank account in this office:

- (a) Account Number
- (b) Bank Name
- (c) Branch Name
- (d) Address
- (e) IFS code
- (f) MICR No.
- (g) Telephone No.

17. Termination of tender by the Purchaser

From the time of submission of tender up to the time of issuing of the Supply Order, if a bidder needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

In case a bidder attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the bidder shall be liable for rejection in addition to appropriate administrative actions being taken against that bidder, as deemed fit by the purchaser.

The purchaser, without prejudice to any other contractual rights and remedies available to it (the purchaser), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser. In the event of the purchaser terminates the contract in whole or in part, the purchaser may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the purchaser for the extra expenditure, if any, incurred by the purchaser for arranging such procurement.

If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the purchaser

18. Arbitration clause

If dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or relating to the extension of contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

If the parties fail to resolve their dispute or difference by such mutual consultation within twenty-one days of its occurrence, then, unless otherwise provided in the "RFP" section either the purchaser or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided the applicable arbitration procedure will be as per Indian Arbitration and Conciliation Act, 1996. In the case of a dispute or difference arising between the Purchaser/ Consignee and all suppliers relating to any matter arising out of or connected with the contract, such dispute or difference shall be referred to the sole arbitration of an officer, appointed to be the arbitrator by the Director General of Meteorology. The award of the arbitrator shall be final and binding on the parties to the contract. Each party shall bear its own cost.

Venue of Arbitration: The venue of arbitration shall be the place from where the contract has been issued, i.e., New Delhi. The contract shall be interpreted in accordance with the laws of India.

19. Fall Clause

The bidder undertakes that it has not supplied/is not supplying similar products/systems or subsystems at a price lower than that offered in the present bid in respect of Ministry/Department of the Government of India or Public Sector Unit (PSU) and if it is found at any stage that similar products/systems or subsystems was supplied by the BIDDER. To any Ministry/Department of the Government of India or Public Sector Unit (PSU) at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and difference in the cost would be refunded by the BIDDER to the BUYER (India Meteorological Department) or it will adjusted from their bills, if the contract has already been concluded.

SECTION – III
SPECIAL CONDITIONS OF TENDER (SCT)

1. The Government of India lays down public procurement policies for Micro, Small and Medium Enterprises (MSMEs), from time to time, to help inclusive national economic growth by providing long-term support these enterprises and disadvantaged sections of society and to address environmental concerns.
2. In this tender, the participating Micro, Small and Medium Enterprises (MSMEs) quoting price within price band of L1+25% (Twenty percent) shall also be allowed to supply up to 50% (Fifty percent) portion of total tendered value by bringing down their price to L1 price in a situation where L1 price is quoted by a firm other than an MSME. In case there are two or more MSME firms within such price band, then this 50% (Fifty percent) quantity is to be distributed proportionately among these bidders (As decided by the competent authority of this office).
3. Within this 50% (Fifty Percent) quantity, a purchase preference of 4% (Four percent) i.e. 4% (Four percent) out of 50% (Fifty percent) is reserved for MSMEs owned by Scheduled Caste (SC)/Scheduled Tribe (ST) entrepreneurs (if they participate in the tender process and match the L1 price). Provided that, in event of failure of such SC/ST MSME to participate in tender process or meet tender requirements and L1 price, four per cent sub-target shall be met from other MSME. The MSMEs would be treated as owned by SC/ ST entrepreneurs. The final distribution of the supply order shall be decided by the competent authority of this office
4. Where any Aggregator has been appointed by the Ministry of MSME, themselves quote on behalf of some MSME units, such offers will be considered as offers from MSME units and all such facilities would be extended to these also.
5. This Policy is meant for procurement of only goods produced and services rendered by MSMEs and not for any trading activities by them. An MSME Unit will not get any purchase preference over another MSME Unit.
6. Make-In-India Policy: In case L1 is a Foreign Bidder, then the Supply Order for 50% of stores will be issued directly in his favour. For the balance 50% of stores, the Indian firms (If any) shall be given an opportunity. If any Indian bidder (Either L2 or L3 or L4, etc.) agrees to supply stores at the price of L1, then a Supply Order for the Balance 50% of stores shall be issued in his favour.

CHECKLIST

S. N	Activity	Compliance Yes/ No/ NA	Page No. of bid
1.	(i) Is the EMD of required amount enclosed ?		
	(ii) Is the Validity of EMD (FDR/BG) 240 days starting from the date of opening of tender ?		
	(iii) Is Registration certificate from MSME/NSIC attached for relaxation of EMD ?		
	(iv) Is the “EMD Submitting Firm” other than the participating firm? If yes, then bid is likely to be ignored.		
2.	Have you kept validity of your bid as mentioned in Section II-GCT of the TE Document ?		
3.	Have you enclosed duly filled and signed Tender Acceptance Letter on firm’s letterhead (Accepting all the terms and conditions of the tender). (Bid may be ignored if not signed)		
4.	Have you enclosed clause-by-clause <u>compliance statement</u> for the “List of requirements/ technical specifications” section?		
5.	Have you submitted copy of the last purchase order(s) and end user certificate?		
6.	(i) Is tender Submitted as Manufacturer/OEM?		
	(ii) Is tender Submitted as Authorized Agent/ Dealer/ Supplier/ Distributor of OEM? Is Authorization Certificate attached?		
	(iii) Is tender submitted as an Integrator? Whether Back-to-back support agreement with equipment manufacturer and software developer company attached?		
	(iv) Is tender submitted by Indian agent quoting on behalf of foreign principal: If yes, whether the necessary documents are attached as mentioned in TE Document ?		
7.	(i) Permanent Account No. of bidding firm with proof.		
	(ii) Is GST Number with Registration Certificate attached?		
8.	Name of the supplier with complete address to whom supply order is to be placed.		

(Signature with date)

(Full name, designation on behalf of the Bidder)

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

(All the terms & conditions of tender document are acceptable to the bidder)

To,

The Director General of Meteorology,
India Meteorological Department,
Lodi Road, New Delhi-110003

Ref: Tender Enquiry document No. CPU/53/0917/1513 dated 25.10.2019

I/We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver *the goods and services in conformity with your above referred document.*

If our tender is accepted, we undertake to supply the goods and perform the services (Installation & commissioning etc.) as mentioned in tender document with the delivery schedule specified in the “List of requirements/ technical specifications” section.

I/We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form for due performance of the contract.

I/We agree to keep our tender valid for acceptance as required in tender document or for subsequently extended period, if any, agreed to by us. I/We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. I/We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

I/We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

I/We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum etc. if any.

(Signature with date) : _____

(Name and designation) : _____

(With Official Seal)

(Duly authorized to sign the tender
for and on behalf of the bidder)

निविदा स्वीकृत फॉर्म

(निविदाकर्ता को निविदा कागजात के सभी निबंधन व शर्तें स्वीकार्य होने से संबंधित)

दिनांक : _____

सेवा में,

मौसम विज्ञान के महानिदेशक ,
भारत मौसम विज्ञान विभाग,
लोदी रोड, नई दिल्ली- 110003

संदर्भ: दिनांक _____ का आपका टी ई कागजात सं. सीपीयू/53/ _____

मैं / हम , अधेहस्ताक्षरी ने उपर्युक्त संशोधन/ शुद्धिपत्र सं.-----दिनांक----- (यदि कोई हो तो) सहित टी ई कागजात की जाँच की, जिसकी पावती की एतदद्वारा पुष्टि की जाती है । हम आपके उक्त संदर्भित कागजात की अनुरूपता में----- (सामान और सेवाओं का ब्यौरा) आपूर्ति और सुपुर्दगी का प्रस्ताव करते हैं ।

यदि हमारी निविदा स्वीकृत होती है तो हम आर पी एफ अपेक्षाओं में विनिर्दिष्ट सुपुर्दगी अनुसूची के साथ निविदा कागजात में उल्लिखित सेवाओं (संस्थापन और आरंभ आदि) के निष्पादन तथा सामान की आपूर्ति करने के लिए वचनबद्ध हैं ।

मैं/ हम यह भी पुष्टि करते हैं कि यदि हमारी निविदा स्वीकार की जाती है तो हम संविदा को नियत निष्पादन के लिए स्वीकार्य रूप में अपेक्षित मात्रा में निष्पादन सुरक्षा उपलब्ध कराएंगे ।

मैं/ हम सहमति के अनुसार अपनी निविदा को निविदा कागजात की आवश्यकता के अनुसार स्वीकृति अथवा तत्पश्चात विस्तारित अवधि के लिए, यदि कोई हो तो, वैध रखेंगे । मैं/ हम तदनुसार इस निविदा को उपर्युक्त अवधि तक स्वीकार करने की पुष्टि करते हैं और उपर्युक्त अवधि को समाप्त से पहले इस निविदा को किसी भी समय स्वीकार कर सकते हैं । मैं / हम पुष्टि करते हैं कि जब तक औपचारिक संविदा तैयार होती है, यह निविदा आपकी लिखित स्वीकृति से उपर्युक्त अवधि तक हमारे बीच बाध्यकारी संविदा रहेगी ।

मैं/ हम यह भी समझते हैं कि आप उपर्युक्त संदर्भित निविदा जाँच के संबंध में प्राप्त हुए सबसे कम या अन्य किसी निविदा को स्वीकार करने के लिए बाध्य नहीं हैं ।

हम पुष्टि करते हैं कि हम किसी सरकारी प्राधिकरण द्वारा विपंजीकृत/ प्रतिबंधित/ काली सूची में नहीं हैं ।

मैं/हम पुष्टि करते हैं कि उपरलिखित टी ई कागजात में विनिर्दिष्ट संशोधन/ शुद्धिपत्र सहित निबंधन और शर्तों से, यदि कोई हो तो, पूर्णतः सहमत हैं ।

(तारीख सहित हस्ताक्षर)

(नाम और पदनाम)

निविदाकार की ओर से निविदा पर हस्ताक्षर करने के लिए विधिवत प्राधिकृत

MANUFACTURER'S AUTHORIZATION FORM

(Bidders, quoting products other than his own manufactured products, shall submit this certificate in following format)

To,
The Director General of Meteorology,
India Meteorological Department,
Lodi Road, New Delhi-110003

Dear Sirs,

Ref. Your TE document No. CPU/53/0917/1513 dated _____

We, _____ who are proven and reputable manufacturers of _____ (name and description of the goods offered in the tender) having factories at _____, hereby authorise Messrs _____ (name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty and AMC as Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm against this TE document.

Yours faithfully,

[Signature with date, name and designation]

for and on behalf of Messrs _____

[Name & address of the manufacturers]

Note: 1.This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having legal binding to the manufacturer.

**MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD
(format only)**

Whereas
(hereinafter called the “Bidder”)
has submitted their offer dated.....
for the supply of
(hereinafter called the “tender”)
against the purchaser’s Tender Enquiry No.
KNOW ALL MEN by these presents that WE
of having our registered office at
..... are bound unto
(hereinafter called the “Purchaser”)
in the sum of
for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and
assigns by these presents. Sealed with the Common Seal of the said Bank this..... day of
.....20.....

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the bidder withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

- (2) If the bidder having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
 - a) If the bidder fails to furnish the Performance Security for the due performance of the contract.
 - b) Fails or refuses to accept/execute the contract.

WE undertake to pay the “Director General of Meteorology, India Meteorological Department”, up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.
This guarantee will remain in force up to and including 60 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the authorized officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch

**O/o Director General of Meteorology
Lodi Road, New Delhi-110003
FORM
GAR 43D
[See Rule 186(1)]**

APPLICATION-CUM-BILL FOR REFUND OF DEPOSIT

MONTH.....

BILL NO.

Original Challan or Receipt No. & date	Bank/Office in which deposited	Name of depositor	Amount Originally deposited
1	2	3	4

Received this day of20..... the sum of

Rs. (Rupees.) only

being repayable on Account of release of deposited described above.

Claimant's Signature.
(with revenue stamp affixed)

For use in Departmental Office

1. Received payment of Rs..... (Rupees.....) for arranging disbursal to claimant.

2. Passed for Payment of Rs.(Rupees) to claimant(s) Shri/Smt./Ms..... against personal deposit account administered by me.

Dated.....

Assistant Meteorologist (DDO)
for Director General of Meteorology
In case of endorsement of above

For use in Pay & Account office in case of endorsement of 1 above

Passed for payment of Rs.

Payment by Cheque No.

Pay & Accounts Office

PRICE SCHEDULE (Financial Bid Format)

S.N	Name of Item/Store	Qty.	Unit price			Total price (3x6)
			Base price	Applicable taxes & duties	Total unit price	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Pilotsondes	16000				
2	Ground System	20				
3	Antenna-1	20				
4	Antenna-2 (Optional)	20				
5	Antenna-3 (Optional)	20				
6	Accessories	20				
7	PC with peripherals	20				
8	UPS	20				
9	Documentation & Manuals	20				
10	Packaging	20				
11	Transportation	20				
12	SAT & Training	20				
13	Warranty	20				
14	Misc. Charges-1 (Optional)	20				
15	Misc. Charges-2 (Optional)	20				

Total Tender price: (In words)

Note:

1. The names of each stores/items must be mentioned including services if any. The deliverables list attached with financial bid must be exactly same as per technical bids without mentioning prices.
2. Charges ,if any, for inland (within the India) Transportation /freight/insurance of stores shall be mentioned separately. In case not mentioned, it is treated as free of cost.
3. If there is a discrepancy between the unit price and the total price, then THE UNIT PRICE shall prevail.
4. All applicable taxes must be mentioned against each item. Rate of each applicable tax must be mentioned in price bid.
5. Price schedule for optional items should be attached separately and not to be mentioned in main price bid.

Place : _____

Signature of Bidder _____

Date : _____

Seal of the Bidder _____

RFP

For

**Procurement of 16,000 units of GPS
based pilot-sondes along with
compatible ground receiving and
processing system**

**India Meteorological Department
Ministry of Earth Sciences,
Government of India
New Delhi, India**

Specifications for 16,000 GPS based Pilot-sondes along with compatible ground receiving and processing system.					
SI No.			Parameter		
1	0	0	PURPOSE		
1	1	0	IMD intends to procure 16,000 Nos of GPS based Pilot-sondes along with 20 Nos of compatible ground receiving and processing system on rate contract basis.		
1	2	0	This document specifies an upper air wind-sounding system and GPS pilot-sonde, capable of measuring upper air wind speed and wind direction profiles using a balloon carried pilot-sonde. The system shall operate in the 400.15-406 MHz or 1668.4-1700 MHz meteorological band. The system shall use global positioning system (GPS) for wind measurement.		
2	0	0	GENERAL REQUIREMENTS		
2	1	0	The system shall include all items necessary to measure, process, output, archive and display the atmospheric wind data.		
2	2	0	The system shall be automated so that operator action is not needed after a sounding is initiated. Initiating a sounding includes balloon filling, sonde preparation, system startup, surface observation entry and balloon launch.		
2	3	0	For reliable data transfer from the pilot-sonde to the ground station, digital modulation with efficient error detection and correction method shall be used.		
2	4	0	To improve reliability and to minimize the need for maintenance, the system shall contain no moving parts other than cooling fans in the indoor equipment.		
2	5	0	Detailed, point wise compliance statement shall be provided by the tenderer and shall specifically state their compliance / Non-compliance in the text form in detail. Compliance and non compliance of IMD specifications shall be clearly stated and shall be supported by text and literature.		
3	0	0	Measurement and accuracy requirements	Resolution	Accuracy
3	1	0	Wind direction:	0.1°	5°
3	2	0	Wind Speed:	0.1 m/s	1 m/s
3	3	0	Pressure:	0.1 hPa	1.5 hPa
3	4	0	Height: Minimum up to 16 Km	0.1 m	15 m
4	0	0	PILOT-SONDE		
4	1	0	Transmitter		
4	1	1	To make it possible to choose a free frequency slot in the frequency band, also in noisy conditions, it shall be possible to tune the pilot-sonde transmitter to any frequency within the frequency band.		
4	1	2	Frequency range shall be within 400.15-406 MHz or 1668.4-1700 MHz meteorological band so that inadvertent tuning to unauthorized frequency is prevented. In addition to manual tuning, the system must be capable of tuning the pilot-sonde automatically to a predefined value within the range.		
4	1	3	The transmission power (effective radiation power) shall be high enough to ensure reliable telemetry in accordance with other requirements in this specification and to ensure received signal better than the sensitivity of the receiver up to the radial distance of atleast 200 Kms.		
4	2	0	Physical construction		
4	2	1	The design and construction of the Pilot-sonde shall be such that no physical, electrical or chemical hazards are presented to operators, other personnel, or to any unskilled labour who requires access to the sonde preparation room. The design shall also be free from projections that may cause hazard to humans or animals during preparation or on landing.		
4	2	2	The pilot-sondes should be light weight, the maximum weight of the sonde when		

			ready for launch shall be less than 150 grams.
4	2	3	The pilot-sonde and de-reeler design must enable a balloon launch in wind speeds up to 35m/s.
4	2	4	The suspension string between the pilot-sonde and balloon shall be 30 meters or more to eliminate possible errors caused by the balloon.
4	2	5	The suspension string shall be uncoiled slowly enough to prevent the sonde from hitting the ground when released.
4	3	0	Pilot-sonde electronics
4	3	1	Battery capacity shall be sufficient for a flight of 85 minutes after a 15 minutes preparation time. Total capacity shall be at least 100 minutes.
4	3	2	Sampling rate of wind data shall be at least once per second (1Hz).
4	4	0	Pilot-sonde calibration
4	4	1	Pilot-sonde must be factory calibrated before delivery.
4	4	2	Calibration data shall be stored in the pilot-sonde and be read automatically by the ground equipment during pilot-sonde preparation.
4	4	3	The shelf life of the pilot-sonde, including battery shall be 24 months or higher.
5	0	0	GROUND SYSTEM
5	1	0	General
5	1	1	Ground system shall include antennae, receiver, ground check system, general purpose desktop computer, colour printer and any other equipment necessary to perform a sounding.
5	1	2	All operator actions shall be through a single user interface.
5	1	3	When installed the design and construction of the system shall be such that no physical, electrical or chemical hazards are presented to operators, other users of the room, or to any unskilled labour who requires access to the room.
5	1	4	On-line UPS and a servo voltage stabilizer to be provided with system. The on-line UPS shall have capacity for running the complete sounding system for 2 hours. Rating and frequency of the UPS input voltage shall be chosen to match the available mains voltage.
5	1	5	Input voltage range shall be 200 to 240 VAC
5	1	6	Operating frequency range shall be 50-60Hz.
5	1	7	Feed Antenna cables shall be at least 30 meters in length.
5	2	0	Receiver
5	2	1	The system shall have a real-time spectrum display that shows the frequency occupation in the meteorological band (400.15-406 MHz or 1668.4-1700 MHz) so that operator can choose a frequency in an unoccupied and noise-free slot.
5	2	2	It shall be possible to tune the frequency within the range.
5	2	3	It shall be possible to limit the usable frequency range in the ground system so that inadvertent tuning of pilot-sonde to unauthorized frequency is prevented.
5	2	4	The system shall be able to receive and correctly process transmissions from the pilot-sonde when other pilot-sondes of similar type are operating at a frequency separation of +/- 200 kHz and beyond 10 km distance from the receiver.
5	2	5	The offered antenna shall be able to reliably receive the pilot-sonde signal at elevation angle of 5 degrees or lower.
5	2	6	The system shall be capable of maintaining telemetry when pilot-sonde is directly above the receiving antenna.
5	2	7	Antennae shall contain no moving parts and any control, such as direction control, shall be automatic and fully electronic.
5	2	8	It shall be possible to transfer processed data via Ethernet local area network (LAN) using TCP/IP, WMO SOCKET and WMO FTP protocol.

5	3	0	Main computer and software
5	3	1	The sounding software shall run in Windows/Linux operating system. The operating version shall be fully supported along with licensed version.
5	3	2	The computer machine shall be general purpose desktop type, available off the shelf in open market.
5	3	3	All sounding data shall be stored into single data file to preserve data integrity and to make it easy to manipulate archived sounding data.
5	3	4	The system computer shall have hard disk space for storage of at least 1000 soundings.
5	3	5	The system computer shall be equipped with a 17" or larger flat display.
5	3	6	The system must be capable of producing traditional alphanumeric coded meteorological messages as specified in the latest WMO Manual on codes. PILOT message in TEMP format and BUFR format including national practices as applied in India.
5	3	7	Data format for the data from pilot-sonde to be finalized by mutual consultation between supplier & IMD.
5	3	8	Format of all reports and text data output files to be finalized by mutual consultation between supplier & IMD.
5	3	9	The system must be capable of producing data sets in BUFR format as specified in the latest WMO Manual on codes. Tenderer shall list the available BUFR message sequences.
5	3	10	Meteorological messages shall be coded automatically and as soon as sufficient amount of data has accumulated. For example PILOT part A shall be coded immediately after data from surface to 100hPa level is received and processed. The complete PILOT report including all parts shall then be coded after the sounding is finished.
5	3	11	It shall be possible to transfer any of the produced data sets or the complete sounding data file automatically to another computer without operator intervention. The data transfer shall take place immediately after sufficient amount of data is collected also during sounding. The data transfer shall be via local area network (LAN).
5	3	12	The system software shall include diagnostics capabilities to detect faults and malfunctions in any of the system components. The results of the diagnostics shall be recorded into log files and any detected malfunction shall be reported to the user either on the system main display or with indicator lights on the faulty unit. The fault detection shall be at module level (line-replaceable unit).
5	4	0	Environmental
5	4	1	Operating temperature range, indoor equipment: +10 to +50°C
5	4	2	Operating humidity range, indoor equipment: 90% non-condensing
5	4	3	Outdoor equipment temperature range: -40 to +50°C
5	4	4	Outdoor equipment humidity range: 30 to 100%
5	4	5	Maximum wind speed (outdoor equipment): 65m/s
5	4	6	Rain sealing: Weather Resistant
5	5	0	Operation
5	5	1	Facility to manually enter surface observation data (pressure, temperature, humidity, wind, cloud code, present weather, past weather etc) before launch.
5	6	0	Software
5	6	1	The computer clock shall be synchronized to the GPS time.
5	6	2	There must be a near real-time graphical display for checking sounding data during ascent.

5	6	3	System time and the flight time after balloon launch have to be displayed continuously during a sounding.
5	6	4	Sounding data shall be stored in near-real time to prevent data loss in case of power break or similar failure.
5	6	5	For comparison purposes it must be possible to compare vertical profiles from the data archived in graphical form.
5	6	7	It shall be possible to print out data in numerical (tabular) and graphical format.
5	6	8	Prior to and during a sounding it shall be possible to view the status of the GPS signals received locally and by the pilot-sonde.
5	6	9	The contractor shall provide a display that will show the position in kilometers of the pilot-sonde from the point of launch to the current position at any time during the flight. This display shall be operator selectable and the flight track shall be displayed as a continuous line.
5	6	10	It must be possible to re-run the sounding data using different computing parameters. It shall be possible to code new messages and new data sets based on the new data from a re-ran sounding.
5	6	11	It shall be possible to initiate message coding and data transfer both manually and automatically. The system shall incorporate user adjustable parameters to define the time or criteria for automatic message coding and data transfer.
5	6	12	Software shall be able to generate following plots: Plot of pressure versus geopotential height, wind direction and speed. Balloon track with time (Trajectory) & Hodograph.
6	0	0	Documentation, Acceptance & Training
6	1	0	TEST CRITERIA FOR TECHNICAL EVALUATION (TEC) OF BIDS
6	1	1	First stage TEC will be based on evaluation of bids based on compliance table submitted by bidders and supporting documents / literature.
6	1	2	Eligible firms will be invited for actual demonstration and testing of the system as per RFP (points 1.1.0 to 5.6.12). At least two numbers of actual ascents shall be part of TEC. The firm will install the system for evaluation at IMD New Delhi. Consumables required for taking ascent (Sonde, Balloon, Gas) will be provided by the firm.
6	2	0	DOCUMENTATION
6	2	1	All operating and maintenance documentation shall be provided in electronic form and be pre-loaded on the computer hard disk. Total 21 sets of documents in hard copy shall be provided. Each set of document shall contain: I. Instruction for operation. II. Maintenance and service instructions with detailed circuit diagram, wiring and mechanical drawings. System description at functional block level shall be provided. III. Installation manuals with complete drawings and details of electrical wiring.
6	2	2	The SAT shall be carried out in accordance with the mutually agreed detailed test plan and procedure provided by successful bidder. The system shall be declared commissioned only after successful completion of SAT. Any special equipment needed, shall be provided by the supplier.
			SAT and site training to be conducted for 3 days at each site excluding the date of journey. The systems to be installed at IMD stations as given in annexure-I.
7	0	0	SERVICES AND SUPPORT
7	1	0	WARRANTY
7	1	1	Warranty for a period of 18 months from the date of acceptance of the system.
7	2	0	Equipment Warranty

7	2	1	During the warranty period, if a problem is reported by any of the station of IMD, the firm should respond and take appropriate action within 24 hours. In case the system remains inoperative for duration of 5 days or more for reasons of defects. Warranty period will be extended for the corresponding period. All expenses to be borne by the firm.
7	3	0	Pilot-sonde Warranty
7	3	1	During the warranty period for pilot-sondes declared defective before the launch, replacement shall be provided at O/o DGM (UAID), New Delhi free of cost i.e. entire transport expenses to be borne by the firm.
8	0	0	LIST OF DELIVERABLES
8	0	1	Pilot-sonde compatible with ground system: 16,000 Numbers
8	0	2	Ground System including all the items i.e. software, Receiver, Processor, Antenna, ground check system, Personal Computer, Printer, on-line UPS, servo voltage stabilizer etc: 20 sets
8	0	3	Installation, Operation & Maintenance Manuals: 21 sets
8	0	4	Site Acceptance Test & Site Training for 3 days at each site (annexure-I).
9	0	0	DELIVERY SCHEDULE
9	0	1	In case of foreign suppliers:- All ground systems with accessories along with pilot-sondes to be dispatched within Two months of opening of L/C. Installation of above ground equipments within 3 months from the date of handing over goods to the supplier after the custom clearance by IMD at Delhi.
9	0	2	In case of India suppliers:- Supply within 4 months from date of placement of supply order. Completion of all the installations and SAT within 6 months from date of placement of supply order.

Tentative list of stations for installation

1. New Delhi
2. Lucknow
3. Jodhpur
4. Guwahati
5. Nagpur
6. Chennai
7. Mumbai
8. Kolkata
9. Trivendrum
10. Minicoy
11. Amini
12. Trichy
13. Bangalore
14. Mangalore
15. Ahmedabad
16. Bhuj
17. Deesa
18. Portblair
19. Gwalior
20. Raipur

Minutes of Pre bid meeting for procurement of pilot-sonde – 16,000 Nos.

The Committee constituted by the competent authority met on 4th of November, 2019 in the Conference Hall, ISSD, Lodi Road, New Delhi .

The committee comprises as follows:-

- | | | |
|------------------------|--------|-------------|
| 1. Smt Ranju Madan | Sc.- F | Chairperson |
| 2. Sh. Virendra Singh, | Sc - F | Member |
| 3. Sh M.I.Ansari | Sc - E | Member |
| 4. Sh Deep Karan Singh | Sc.- B | Member |

The meeting attended by the representatives of the following vendors:-

1. M/s Jinyang Industrial Co. South Korea
2. M/s S.S. Trading corporation New Delhi.
3. M/s Microcomm India Ltd. New Delhi
4. M/s Elcome Integrated Systems Pvt Limited, Ahmedabad
5. M/s Graw Radiosondes Germany
6. M/s Avantel Ltd, Hyderabad

The following points discussed and now decided as follows:-

S. No.	RFP Para	Requirement	Vendor's Queries	IMD's Reply
M/s Elcome Integrated Systems Pvt Limited, Ahmedabad				
1	1-2-0	The system shall operate in the 400.15-406 MHz or 1668.4-1700 MHz meteorological band. (Also in 4-1-2)	1668.4-1700 MHz was removed from the requirement, after issuance of previous tender in Dec '17. Can this be deleted again now?	As per RFP
2	5-1-1	Ground check system	Ground check will verify proper functioning of GPS receiver.	Ground Check deleted subject to the provision of health check of pilotsonde in the system.
3	5-6-5	For comparison purposes it must be possible to compare vertical profiles from the data archived in graphical form.	This is possible after completion of the ascent.	Agreed.
4	5-6-10	It must be possible to re-run the sounding data using different computing parameters.	Not understood. Please explain.	It is re-computation of the observed data.
M/s Microcomm India Ltd. New Delh				
5	--	Closing date of tender.	Closing date of tender in RFP(30-11-2019) and e-procurement site (13-11-2019) is varying. Request of	10-12-2019 up to 1700 hrs.

			extension of tender to Dec-15-2019.	
6	--	The tender No. Discrepancy.	The tender No. is different in RFP (CPU / 53 / 0917 / 1513) and on e-procurement site (CPU/53/0719/1513). Kindly clear this point.	CPU/53/0917/1513
7	4-2-4	The suspension string between the pilot-sonde and balloon shall be 30 meters or more to eliminate possible errors caused by the balloon.	Specify the length of the string.	20 m
8	4-4-2	Calibration data shall be stored in the pilot-sonde and be read automatically by the ground equipment during preparation.	There is no "calibration data" to be stored for a Pilot-sonde. The pilot-sonde does however store a number of configuration parameters. Kindly Clarify.	The pilot-sonde shall store configuration parameters.
9	5-1-1	"Ground system shall include antennae, receiver, ground check system....."	Is there a need for a "ground check system" as the Pilot sonde has no calibrated sensors to be checked.	As per S. No. 2 above.
10	6-2-1	Maintenance and service instructions with detailed circuit diagram, wiring and mechanical drawings.	Offer LRU(Line Replaceable Unit) level maintenance training and documentation that will include wiring diagrams and functional block diagrams.	As per RFP
M/s Graw Radiosondes Germany				
11	3-4-0	Minimum height up to 16 km.	Maximum height should be > 30 km.	As per RFP
12	4-1-1	To make it possible to choose a free frequency slot in the frequency band, also in noisy conditions, it shall be possible to tune the pilot-sonde transmitter to any frequency within the frequency band in 20 kHz steps.	It shall be possible to tune the pilot-sonde transmitter to any frequency within the frequency band in 20 kHz steps.	As per RFP- Frequency separation defined at 5.2.4 of RFP.
13	4-4-2	Calibration data shall be stored in the pilot-sonde and be read automatically by the ground equipment during Pilot-sonde preparation.	There is no calibration data in a pilot sonde, hence this needs change.	The pilot-sonde shall store the configuration parameters.

14	5-3-6	The system must be capable of producing traditional alphanumeric coded meteorological messages as specified in the latest WMO manual on codes.	Pilotsondes cannot generate TEMP message. Do you mean PILOT message in TAC format?	PILOT message in TAC format as well as BUFR format including national practices as applied in India.
15	9-0-1	Delivery terms	One month delivery time is too short for 16000 Pilot-sondes, it should be changed into three months from the date of establishment of Letter of Credit.	In case of foreign suppliers:- All ground systems with accessories along with pilot-sondes to be dispatched within two month of opening of L/C. In case of India suppliers:- Supply within 4 months from date of placement of supply order.
Other points				
16	--	Qualification criteria	Is there any financial turnover requirement of bidding firms?	Annual turnover during last 3 years more than 2 Crores. The relevant documents to be enclosed with technical bid.
17	Point-8 pg-2	Performance security	Please clarify if this is PBG @ 10 %	Yes
18	Point-7 pg-6	Documentary evidence for eligibility	What documents needed.	As per RFP.
19	--	Custom duty exemption	Can IMD provide Custom duty exemption certificate ?	No
20	6.1.2	Number of test ascents in TEC.	Maximum No. Not mentioned	Maximum 5 ascents.