

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY  
PASHAN, PUNE-411008  
(An autonomous Institute under the Ministry of Earth Sciences, Govt. of India)**

**(PS/Tender/07/2012) CORRIGENDUM-2 TO TENDER NOTICE**

The date of submission of tender for “Comprehensive Maintenance Contract (CMC) for **Digital Display System of CWG-2010 Delhi**” Qty – 15 Nos published vide even number of Tender Notice is hereby extended **up to 12:00 hrs on 19<sup>th</sup> February 2013** and shall be opened **on same day at 15:00 hrs**. All other terms & condition shall remain unchanged. For details please visit Government's Central Procurement Portal (CPP) <http://www.eprocure.gov.in> as well as this Institute's Website: <http://www.tropmet.res.in>

Sd/-  
Senior Technical Officer-II, for Director  
E-mail : vipin@tropmet.res.in

## INDIAN INSTITUTE OF TROPICAL METEOROLOGY PUNE 411 008

### GENERAL TERMS & CONDITIONS

ENQUIRY NO: PS/128/74/2012

Tender Notice No. PS/Tender/07/2012

- 1) The Tenderers are requested to give detailed sealed tender in their own forms in two Bids i.e.  
Part – I Technical Bid.  
Part - II Commercial Bid.  
Both the bids addressed to the Director, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, NCL Post, Pashan, Pune – 411 008, INDIA.
- 2) This tender is not transferable.
- 3) If a request is made to IITM for Tender Documents a sum of **Rs.500.00 (Rs. Five Hundred only) (Non-refundable)** has to be paid in the form of Demand Draft drawn in favour of “The Director, Indian Institute of Tropical Meteorology, Pune” **preferably from Nationalized Bank**. In case the bidders download the Tender Documents from the website of the Institute, the document fee of Rs.300 (Rs. Three Hundred only) **is not required** to be enclosed while submitting the tender. Otherwise tender will not be considered.
- 4) Tenders addressed to the Director, Indian Institute of Tropical Meteorology, Pune 411008 are to be submitted for each item in duplicate in double cover, under two bids system. Superscribed with Tender No. **PS/128/74/2012** for Comprehensive Maintenance Contract of “**Digital Display System (DDS) of SAFAR-Delhi**” Qty – **15 numbers (Nos. may vary)** due on **19<sup>th</sup> February 2013**.
- 5) You have to submit two separate bids in two separate envelopes and you may keep both the bid envelopes in an envelope for sending to us.  
  
One envelope will contain only the TECHNICAL Criterion of the tender.  
  
Another envelope will contain only the financial bid / commercial bid in which price and any other information, which has financial implications, will only be given.  
  
The main envelope, which will contain both the bids, should be super scribed with our tender enquiry No.**PS/128/74/2012** due on **19<sup>th</sup> February 2013**.
- 6) Please indicate page nos. on your quotation ex. If the quotation is containing 25 Pages, please indicate as 1/25, 2/25, 3/25 -----25/25.
- 7) Cost of the services should be mentioned clearly in the Commercial Offer (Part-II) only.
- 8) Last date for the receipt of completed tender is up to 12:00 hrs. on **19<sup>th</sup> February 2013**. Tenders will be opened at 15:00 hrs. on **the same day** in the presence of the representatives of the vendors present.

- 9) The tender must be valid for a period of at least **90** days from the date of opening.
- 10) The purpose of certain specific conditions is to get service etc. for IITM. The opinion of Technical Committee shall be guiding factor for Technical short listing.
- 11) Supplier shall finally warrant that all the stores, accessories and components to be supplied under the CMC shall be new and of the first Quality according to the specifications and shall be free from all the defects (even concealed fault, deficiency in the design material and workmanship).
- 12) Tender must clearly indicate the features offered unit price, VAT tax, Service Tax transport, insurance etc. Institute cannot furnish any certificate for exemption or reduction in VAT tax or any other duty/tax. The vendor should mention the price of the services and the duties/taxes to be paid such as excise duty/VAT taxes, Service Tax etc. separately.
- 13) The CMC work should be executed within stipulated period mentioned in the work order and the vendor / contractor should abide the time frame invariably.
- 14) As this Institute is exempted from payment of Custom Duty and Excise Duty, exemption certificate will be issued on request, if required.
- 15) The vendor / contractor has to furnish a Performance Security Deposit in the form of Bank Guarantee to the extent of 10% of the order value from a nationalized bank in the prescribed format valid for the entire period of contractor including extension if any.
- 16) No advance can be paid.
- 17) The **payment terms** shall be as follows: **Terms of payment:**
- i) No payment shall be made in advance.
  - ii) The Contractor shall submit the bill and the CMC charges shall be paid on quarterly basis at the end of the period.
  - iii) All payments shall be made by RTGS / NEFT only.
  - iv) The IITM shall be at liberty to withhold any of the payments in full or in part subject to recovery of penalties mentioned in subsequent paras.
  - v) Display should remain operational at least 90% of the time in a year. In case of non-compliance, penalty will be charged as per “no service no payment basis” for which amount will be calculated on prorated basis for per day per item from the total CMC amount of that month as per the decision of IITM. In exceptional case, IITM may decide to extend the CMC period equivalent to non-service period instead of above. However, decision of IITM will be final and binding to all.
- 18) The prices quoted should be firm and irrevocable and not subject to any change whatsoever, even due to increase in cost of raw material components and fluctuation in the foreign exchange rates and excise duty.

- 19) Indicate the names of the Indian reputed Organizations where you have provided services of the similar nature and may attach the satisfactory performance report from user Organization.
- 20)a) If you have provided services of identical or similar nature to other Institutes under Ministry of Earth Sciences and Ministry of Science & Technology, the details of such services for the preceding three years should be given together with the prices eventually or finally paid.
- b) Based on the above information, IITM will have its option to obtain details of the services, their performance etc. for evaluation of the tender, directly from the concerned Labs. /Scientists etc.
- 21) The Institute is autonomous scientific research organization under the Ministry of Earth Sciences and is a recognized center for studies leading to M.Sc. and Ph.D. of the University of Pune and various other Universities. As such, all possible concessions / discounts / rebates applicable for educational Institutions may be given.
- 22) The Tenderer is required to furnish the Permanent Account Number (PAN) Allotted by the Income Tax Department. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration' etc. should also be provided in Technical Bid for Indian Agents.
- 23) **The maintenance services are required to be provided directly at NCR-Delhi within 50-80 km radius.** It should be tested & verified the given locations in and around NCR-Delhi radius.
- 24) The Date and Time of opening for Part-II (Commercial Bid) will be intimated only to pre-qualified and technically acceptable Tenderers for the item at a later date.
- 25) **Earnest Money Deposit:**
- a) The Earnest Money Deposit of **Rs.2,00,000/- (Rs. Two Lacs only)** must be paid / sent along with your technical bid in the form of a Demand Draft, Banker cheque or Bank Guarantee **(from a Nationalized Bank only)** drawn in favour of The Director, Indian Institute of Tropical Meteorology, Pune payable at Pune, otherwise your technical & financial bids will not be considered at all. The Earnest Money of successful bidder will be returned only after execution of contract & submission of Performance Security Deposit in time as per the terms of our work order. If the successful bidder fails to fulfill the contractual obligations before the due date, he will forfeit the EMD. The Earnest Money of the unsuccessful bidder whose technical bid has not been found suitable will be returned within **One Month** after receipt of Technical Committee recommendations.
- b) Those who are registered with Central Purchase Organization (e.g. DGS&D), National Small Industries Corporation or the concerned Ministry / Department need not to furnish EMD along with their bids.
- c) Though EMD has to be submitted by Demand Draft, Banker's Cheque or Bank Guarantee, we prefer to have Bank Guarantee for easy return to the

bidders once a decision is taken by IITM. (Specimen of Bank Guarantee is enclosed at end of the tender).

d) Tenders not accompanied with Demand Draft / Bank Guarantee towards "Earnest Money Deposit" will summarily be rejected.

**26)**Part and incomplete tenders are liable to be rejected.

**27)**Conditional Offers will not be considered.

**28)**The tenders must be clearly written or typed without any cancellations / corrections or overwriting.

**29)**Fax / E-mail / Telegraphic / Telex tenders will not be considered.

**30)**IITM will not be responsible:

a) For delayed / late quotations submitted / sent by Post / Courier etc.

b) For submission / delivery of quotations at wrong places other than the Office of Director, IITM, Pune – 411 008.

**31)**In case of any dispute regarding maintenance services, non-compliance of any terms & conditions etc., the Director, Indian Institute of Tropical Meteorology, Pune will be the final authority to decide the appropriate action and it will be binding on the vendor / contractor.

**32) Penalty:**

In the event of the contractor failing to:

(i) Observe or perform any of the conditions of the work as set out herein; or

(ii) execute the work in good and workmen – like manner and to the satisfaction of and by the time fixed by the IITM

(a) Director, IITM reserves the right to recover all the amount compensation on account of loss to this institute's property or impose penalty on the Contractor on account of any lapse noticed, from the amount of security deposited by the Contractor. Decision of the Director about the quantum of loss, compensation and/ or penalty imposed on the Contractor shall be final.

(b) In case of any unsatisfactory service or failure to supply the requisite number of personnel, a cut upto 5% of the amount due for the particular work can be imposed on the Contractor at the discretion of Director, IITM.

(c) In case of failure of the Contractor to repair the fault within 48 hours of being notified of it and for failure to bring into working conditions the equipment/display board/ network within 48 hours to the sole satisfaction of Director, IITM, penalty as per clause 17(v) relating to particular quarter for every 24 hours of down time from the time of expiry of 48 hours (from the time of communication of fault to the Contractor) shall be charged.

(d) The penalty for poor response for executing repairs mentioned in the above para do not in any way affect or impinge upon the right of Director, IITM to terminate the contract due to non compliance of the conditions of the Maintenance Contract nor do they affect Clause as stated above by which the Contractor can forfeit the security deposit.

**33)Insolvency etc.**

In the event of the firm being adjudged insolvent or having a receiver appointed for it by

a court or any other order under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified, the IITM shall have the power to terminate the contract without previous notice.

**34)Breach of Terms and Conditions:**

In case of breach of any of terms and conditions mentioned of the tender & subsequent work order, the Competent Authority will have the right to cancel the work order without assigning any reason therefore and nothing will be payable by this institute in that event and the security deposit shall also stand forfeited.

**35)Subletting of Work:**

The firm shall not assign or sublet the work or any part of it to any other person or party without having first obtained permission in writing of the Director, IITM, which he will be at liberty to refuse if he thinks fit.

**36)Right to call upon Information Regarding Status of Work:**

This Institute will have the right to call upon information regarding status of work at any point of time.

**37)Precautionary Measures:**

20.1 The Contractor must be careful that quality in services is maintained as well as time schedule prescribed etc., should not be disturbed.

20.2 The Contractor must take every care to see that the work or any portion of thereof does not fall into unauthorized hands. Care should be taken to execute the work under proper security conditions.

**38) Agreement:** Once the work is awarded to the contractor, the firm has to sign the agreement in a non-judicial stamp of Rs. 1000/= with IITM consisting of all the above terms and conditions.

**39)Director reserves the right to reject any or all tenders without assigning any reason.**

(V. R. Mali)  
Senior Technical Officer-II  
for Director  
Email : vipin@tropmet.res.in  
Contact No. : (020) 25904483 / 210

TENDER NO. \_\_\_\_\_

DUE ON : \_\_\_\_\_

**ANNEXURE – I  
PARAMETERS AND TECHNICAL SPECIFICATION FOR EXECUTING THE WORK  
(SCOPE OF THE WORK)**

**Sub;** Notice Inviting Tender for Providing Comprehensive Maintenance Contract of Digital Display System of SAFAR-Delhi.

**Specific Terms & Conditions of Comprehensive Maintenance Contract of “Digital Display System (DDS) of SAFAR-Delhi” Qty – 15 Nos. for 5 years**

**The CMC should insure the smooth running of the DDS system for uninterrupted operation (24 x 7) at all locations under the contract in NCR-Delhi. The scope of the work under CMC is as follows:**

1. The CMC should include all consumable / non-consumable; spares; regular maintenance and any recurring cost for uninterrupted operation of all LED displays, and software under CMC which includes all Hardware and software including LED boards, display software, data acquisition system /PC, modems, communication system, etc.
2. If vendor do not wish to use the current display software for data transmission and displays to boards then vendor is free to use or develop their own software consisting of all the existing features as briefly included in enclosure-x as a replacement of existing prototype software. However, IMD /IITM will have the proprietary rights for any such software developed or should have valid licenses for readymade software as the case may be. However, no extra consideration for development will be considered for comparison purpose and cost should be quoted as lump-sum under software CMC which should clearly specify the details.
3. One qualified engineer who should control all the display functions, manage the fault repair promptly and should be deployed at the SAFAR-Delhi control room in IMD on all working days including Saturdays for the entire duration of the OMC. He/she should also look after the health of display server in all respect and the smooth data flow from FTP server to display server and then from Display server to respective display boards remotely in and around Delhi region. Person should also act as nodal officer to ensure smooth communication as per the instructions provided from time to time by us.
4. Display should remain operational at least 90% of the time in a year. For penalty clause of non-compliance, see clause 17 (v). The communication through software to all 15 LED boards under CMC should be properly updated with fast and good functioning communication system.
5. In addition to above, SAFAR-Delhi system is also connected with 3-Indoor LCD displays (Specifications: 60” diagonal TFT active matrix /Multi-pixel, 1920 x 1080 pixels; SDMI connectivity). Although hardware of these 3 LCD displays are not under the scope of CMC but existing remote data transmission for real time display through software is under CMC.

6. CMC for each year should be quoted separately.
7. Rates once finalized will be fixed at least for a period of 5-years. Upward change in rates will not be considered due to any hike in service cost etc.
8. It should be noted that recurring expenses related to existing GPRS-SIM cards, their monthly tariff, filed security of equipment, power supply will be is under the scope of IMD /IITM. All LED display boards, modems, control boxes and GPRS-SIM cards are installed in NCR Delhi and they are in working condition.
9. Vendor is free to inspect the displays and all other available accessories including software which is under the scope of CMC and commissioned at NCR-Delhi. Vendor can check them physically where they are installed in coordination with IITM./IMD .

**Specifications and other details of the available & already installed Digital Display Systems under SAFAR-Delhi are given below for information & preparedness: -**

**1. Outdoor True Color LED Displays –Quantity 15 Nos.**

Display Size ~8.5'x6.5'                   - **14** (FOURTEEN)  
 Display Size ~13'x8'                     - **01** (ONE)

SPECIFICATIONS				
1.	Resolution	Pitch	Visual	~10 mm
			Physical	~20 mm
			Visual	9688 Pix/ Sq-Mtr
			Physical	2422 Pix /Sq-Mtr
2.	Pixel Information	Pixel Configuration		1Red+1Green+1Blue (5mm oval) (Either 1 red or 1 green Extra i.e. Either total 2 red or 2 green)
		LED life and make		~80000 Hours; Nichia (or equivalent high quality brand like cree or osram)
		Brightness		~5000-6000 NITs ( Cd /M <sup>2</sup> )
3.	Viewing	Horizontal Viewing Angle		~140°
		Vertical Viewing Angle		~40°
		Recommended minimum Viewing		10 Mtrs from screen for Text
4.	Power supply	Input Voltage		100-240V AC, 50/60Hz
		Power Consumption-Max.		Lowest feasible and Economic
6.	Tile Engineering	Tile casing Rear Case Material		Light weight
		Louvers / Shades		Replaceable
7.	Environmental Conditions	Temperature Range		Operating -0 to 50°C
		Humidity		Operating 0 to 90% RH
		Water Proof		Front: IP65; Rear: IP43 /IP54 Full protection from lightning, corrupt resistant and water
8.	Processing	Data Processing		16 Bit
		Colour Shades		~281 Trillion
		Refresh Rate		At least 2000 Hz

## **Enclosure-x**

### **2. Display Software:**

**DDS work –remote data handling, delivery, networking to all displays, etc. [which is already developed by an earlier contractor and need handling but there is an option to develop afresh as replacement if vendor so desire for ease of operation without any additional obligations]**

- Customized software to capture air quality data from SAFAR-FTP server and meteorological data server located at the control room in IMD, Lodhi road and then to transmit to different display boards through GPRS in public friendly format having text and numeric along with social messages. Provision of English and Hindi.
- Network all 15 display boards and displays remotely. The displays are networked with options for Single point remote Data handling, delivery & updating in real time.
- Data handling display software is (/should be) installed at control room display PC from where data will go to different boards.
- SAFAR-FTP data and Met. Data servers are provided by IITM/IMD.
- All boards are connected through GPRS wireless connection. All required SIM and GPRS connectivity is already available for which tariff and other related recurring expenses is under the scope of IMD.
- **DDS Operations- key feature available /to be developed**

The DDS will project the following in public friendly colour slide format-

- Air Quality –Now (Real Time)
- Air Quality –Tomorrow (24 hour advance Forecast)
- Meteorological Data –Now (Real Time)
- Meteorological Data –Tomorrow (24 hour advance Forecast)
- Any social message or other customised, messages relevant to pollution control (both static/ animated forms/videos)
- Message of data required to be shown using bar graph/images /animations in colour to make it interesting for the common public.
- Option is there to display the messages and any other text in English and Hindi.
- Data is shown in real time – Auto mode
- All display data should be seen/mirror image in the control room PC.

- **Activation:** The display should be activated automatically when the power is supplied. The activation sequence starts with a self test. If a major fault is detected, during activation or during normal operation, the display should be blanked. The total activation time to come into normal operation should not be more than 7 seconds. All Displays are interfaced with the central PC thru' G3G/broadband wireless Modem. Upon configuration of communication and display parameters (i.e. Screens) in software, it should start establishing connection with each display board to send data.

## **Annexure – II**

### **Technical Bid Form for Technical Information and Undertaking**

**Sub:** Notice Inviting Tender for Comprehensive Maintenance Contract of Digital Display System for SAFAR-Delhi.

1. Name of the Tenderer/ Concern \_\_\_\_\_
2. Nature of concern \_\_\_\_\_  
(i.e. Sole Proprietor or Partnership firm or a company or a Government Department or a Public Sector Organization )
3. (a) Registration particulars of the firm/ company for carrying out such work  
(Photocopy of the Registration Certificate to be enclosed.)  
(b) Service Tax Registration particulars (Photocopy of the Registration Certificate to be enclosed).
4. Earnest Money Deposit Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).
5. Whether each page of filled tender and its Annexure have been signed and stamped.
6. List of Important works of the nature stated above undertaken during the last five years whose summary is enclosed ( summary may be enclosed on separate sheets for each work and comprise the subject/ project; scope covered; time taken to complete the work; persons employed; fee charged; remarks/observations/ appreciation of the organization for whom the work was conducted; and any other information considered important by tenderer )
7. List of Major Customers their address, period of contract, telephone numbers etc., is given on a separate sheet. \_\_\_\_\_
8. (i) Photocopy of Income Tax Return for last 3 years \_\_\_\_\_  
(ii) PAN Number (Attested copy should be furnished) \_\_\_\_\_
9. Details of infrastructure available with the CMC / AMC Vendor with list of standby equipments.
10. Any other information important in the opinion of the tenderer \_\_\_\_\_

Dated at

Signature of the tenderer with Stamp

## **UNDERTAKING**

1. I / We undertake that I / We have carefully studied all the terms and conditions and understood the parameters of the proposed work of IITM and shall abide by them.
2. I / We also undertake that I / We have understood “Parameters and Technical Specifications for conducting the work “mentioned in Annexure – I of the Tender No. \_\_\_\_\_ dated \_\_\_\_\_ and shall conduct the work strictly as per these “Parameters and Technical Specifications for conducting the work”.
3. I / We further undertake that the information given in this tender are true and correct in all respect and we hold the responsibility for the same.

Dated at

( Dated Signature of Tender  
with stamp of the firm )

Tender No \_\_\_\_\_

### ANNEXURE – III

#### COMMERCIAL BID FORM FOR COMMERCIAL INFORMATIONS

**Sub:** Notice Inviting Tender for Comprehensive Maintenance Contract of Digital Display System of SAFAR-Delhi

1. Total Price for the work inclusive of all kinds of incidental charges and all taxes etc. as per details given below will be Rs. \_\_\_\_\_ (in words Rs. \_\_\_\_\_ only ) per annum.

**Table-1: Cost of the CMC for 1<sup>st</sup> year**

Sr. No.	Description of Item / Work	Qty.	Unit rate of services / maintenance work	Total Rates of services / maintenance work
1	Outdoor <b>LED Display</b> : Size- 8.5' x 6.5' (For Delhi-NCR region)	13		
2	Outdoor <b>LED Display</b> : Size- 13' x 8' (For Delhi-NCR region)	01		
3	Outdoor <b>LED Display</b> : Size- 8.5' x 6.5' (For Mahabaleshwar, M.S.) (This is extra and should be independently installed and maintained and it is not as part of Delhi Network and need not be in it network)	01		
4.	<b>Remote Data porting and displaying support at control room:</b> Operating and handling of Existing display & communication Software /OR New software development of the same as replacement and its handling and operation as per the desired satisfaction of IMD /IITM and enclosure-X. <b>Note:</b> This items is to handle 15 nos. of LED and 3 nos. of LCD display boards	01		
5.	<b>Manpower</b> as per specific T&C and clouse-3 therein (full time).	01		
6.	<b>Taxes</b> Structure, if any			
7.	<b>TOTAL COST OF CMC FOR 1<sup>ST</sup> YEAR</b>		-----	

**Note:** Similar /Identical table may be repeated for subsequent years as given below, if rates are different for different year.

Table-2: Cost of the CMC for 2<sup>nd</sup> year

Table-3: Cost of the CMC for 3<sup>rd</sup> year

<b>Table-4: Cost of the CMC for 4<sup>th</sup> year</b>
<b>Table-5: Cost of the CMC for 5<sup>th</sup> year</b>

2. Any difference and or growth in prices / rate of services / maintenance work for subsequent years (from 2<sup>nd</sup> year to 5<sup>th</sup> year) may be mentioned clearly & strictly as per above format. If there is % hike in prices / rate wrt 1<sup>st</sup> year, then it should be indicated.
3. It is repeated once again that all items under the scope will be handed over for CMC in working condition. Also all recurring expenses related to existing GPRS-SIM cards, their monthly tariff, filed security of equipment, power supply will be under the scope of IMD /IITM. All LED display boards, modems, control boxes and GPRS-SIM cards are installed in NCR Delhi and they are in working condition.
4. Validity of this offer for finalization is for 90 days from the date of opening of tenders.

( Dated Signature of Tenderer with Stamp of the Firm)

Dated at \_\_\_\_\_

(V. R. Mali)  
Senior Technical Officer-II  
for Director  
Email : vipin@tropmet.res.in  
Contact No. : **(020) 25904483 / 210**

**BID SECURITY FORM**

Whereas 1 (hereinafter called "the Bidder") has submitted its bid dated (*date of submission of bid*) for the supply of \_\_\_\_\_ (*name and/or description of the goods*)(hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that WE \_\_\_\_\_ (*name of bank*) of (*name of the country*), having our registered office at (*address of bank*)(hereinafter called "the Bank"), are bound unto (*name of Purchaser*) (hereinafter called "the Purchaser") in the sum of \_\_\_\_\_ for which payment well 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 it's bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of it's bid by the Purchaser during the period of bid validity:
  - a) fails or refuses to execute the Contract Form if required; or
  - b) fails or refuses to furnish the performance security, in accordance with the Instruction to Bidders.

We undertake to pay the Purchaser 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 of the two conditions, specifying the occurred condition or conditions.

This guarantee shall remain in force up to forty five days beyond the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the Bank)  
Name of Bidder.