

Draft Text of Tender Notice & Tender Documents

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY
PASHAN, PUNE-411008**

(PS/Tender/01/2011)

TENDER NOTICE

Director, Indian Institute of Tropical Meteorology (An autonomous Institute under the Ministry of Earth Science, Govt. of India), Dr.Homi Bhabha Road, Pashan, Pune- 411 008 (India) invites sealed tenders (Part-I – Technical Bid, Part-II – Financial Bid) in separate sealed covers from Manufacturers / Suppliers and their accredited selling agents for the supply, commissioning, installation and satisfactory demonstration of ***“Digital Display System of SAFAR-PUNE” Qty – 01 System.***

Tender documents with details can be obtained from Purchase & Stores Section of the Institute or can download from Institute's website.

**Last date of receipt of Tender at IITM, Pune : 21st December 2011 at 12:00 hrs.
Opening of Tenders (Technical bids only) : 21st December 2011 at 15:00 hrs.**

The Institute reserves the right to reject any or all tenders without assigning any reason thereof. For further details please visit our Website: <http://www.tropmet.res.in>

**Senior Technical Officer-II, for Director
Email :vipin@tropmet.res.in**

INDIAN INSTITUTE OF TROPICAL METEOROLOGY
(An Autonomous Institute under the Ministry of Earth Sciences, Govt. of India)
Dr.Homi Bhabha Road, Pashan, Pune 400 008

(Enclosure to Tender Notice No. PS/Tender/1/2011 dated 23.11.2011)
Specifications of Digital Display System (DDS) of SAFAR-PUNE
(Turnkey Job)

SAFAR data is defined as the combination of current and forecasted air quality data, meteorological data and social messages. The ***broad scope of the present DDS tender*** is to display these data in various display boards in static, animated, graphics and pictorial formats spread in a radius of 30 km within Pune city and surrounding areas called SAFAR-PUNE domain. The original static data will be made available by IITM, Pashan at central location server (hereafter called as **SAFAR data Server**) in a particular format. Further details are outlined in subsequent sections of this tender document. The Supplier of DDS should have good recognition of having enough field experience in designing such kind of system to provide best possible true colour display. Following criteria /features must be adhered to and complied:

1. Supplier should have track record of installing displays in India for the last 3 years, client list should be enclosed.
2. Supplier should have proven track record of operating networked LED and LCD displays.
3. Supplier should have good service support at Pune. Also, the preference will be given to the manufacturer who has ISO9001-2008 certified company. A certificate of an accredited authority must be enclosed.
4. The supplier's consolidated turnover for the last 3 years should be (min 3 Crores or above) to establish the credibility and reliability of the company.
5. All display boards must have technical sophistication to be connected remotely to Data Acquisition System for providing substantial advantages in communication.

Note: Supplier should categorically provide detail feedback on compliance under each and every point mentioned above in chronicle order as well as their response and comments on each of the bullets of following section.

SCOPE OF THE WORK

(Quote exactly as per the format given below in section-wise)

Design, supply, installation, testing and commissioning of-

(A) OUTDOOR True Colour LED Display -12 numbers

A1: LED display board of minimum Display Size ~6 feet (width) X 10 feet (height) measuring ~60 sqft minimum along with customised LED display software.

A2: Fixing and installation of the display boards (Quote separately unit): Physically fixing and erecting all LED displays on the ground in Pune at 12 locations (outdoor) with a pole height of about 12 feet above the ground. Location area will be made available & defined by IITM. This work should include earth pit, well painted and good looking uni-pole. Displays should be covered with alco panel- 4 sides and rear side for aesthetic look.

(B) INDOOR LCD Display - 3 Nos.

As per specifications enclosed below later

(C) Control Room INDOOR LED Super Narrow Bezel Display -2 Nos.

As per specifications enclosed below later

(D) Display Software, Servers and Networking:

Main Display control Server /PC (along with 1 standby as mirror image) (hereafter called as **Display Server**) with required customized software to capture data from FTP /AQMS server, process and then display remotely in all indoor and outdoor display boards, development of Web portal, content development and SMS-alert service to mobile. Networking of all remote displays to central server by 3G high speed /wireless broadband modems in static and video forms

(E) Operational and Maintenance Contract (OMC):

It is for 1+4 years as per the terms and condition specified and enclosed below later.

(A) LED DISPLAY SPECIFICATIONS -12 Numbers

OUTDOOR LED DISPLAY SPECIFICATIONS -10' x 6' size or more				
1	Resolution	Pitch	Visual	5mm
			Physical	10mm
2	Pixel Information	Pixel Configuration		(1 Red + 1 Green + 1 Blue) (3mm oval through hole)
		LED Life and make		~ 100000 Hours ; Nichia (or equivalent high quality brand like cree or osram)
		Brightness		~ 9000 NIT (Cd / M) with controller
3	Viewing	Horizontal Viewing Angle		~ 100
		Vertical Viewing Angle		~ 40
		Recommended minimum Viewing		5 mtrs from screen for Text
4	Power Supply	Input Voltage		100-240V AC , 50/60Hz
		Power Consumption-Max		Lowest feasible and Economic
5	Tile Engineering	Tile casing Rear Case Material		Light weight and rust free life
		Louvers / Shades		Replaceable
6	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 lighting , corrupt resistant and water
7	Processing	Data Processing		16 Bit
		Colour Shades		~ 281 Trillion
		Refresh Rate		At least 4000 Hz

(B) LCD DISPLAY SPECIFICATIONS - 3 Numbers

Display Size	64" (162.59cm) (quality brands like Sony/Panasonic. etc)
Dynamic Contrast Ratio	Mega DCR
Response time	4 ms
Resolution	1920 x 1080
Display Technology	TFT active matrix /Multi-pixel
Image Aspect Ratio	16:9
HDTV Compatible	yes
HDMI compatible	yes
Speakers	2 speakers
Brightness	450 cd/m ²
Connectivity	RS-232C Input for control and Computer connectivity (preferably a USB input as well). Should comply with all DAS software requirement for perfect display

(C). LED SUPER NARROW BEZEL DISPLAY (INDOOR) FOR CONTROL ROOM - 2 Numbers

Direct LCD /LED Super Narrow Bezel video wall Display – 47wv30(LG or equivalent) with Control room display should have 2 monitors of 47 inches to be placed vertically with an aesthetic ground stand covered with alco panel (and wall mountable brackets as optional); display will show all data being shown in LED and LCD's across the city.

Note:- Quote separately- installation cost/structure for LCD/LED. Normally all LEDs /LCD's come with company provided wall mounts, however, if in certain location this is not feasible appropriate stands may have to be used for which quote should be given separately.

(D) DISPLAY SOFTWARES, SERVERS AND NETWORKING:

D1. Central Display server software- features

Customised display server software with GUI to control all LED boards and LCD's remotely through 3G and wireless broadband. Software should support Video, Image, Text Message, Audio,

- ✧ Video Output and Resolution: CVBS, VGA, HDMI, YPbPr, 1080P, 720P, 480P, etc. Streaming, Local Time and Date, etc
- ✧ Network Connection Setting: DHCP/Static IP, WiFi, 3G, etc.
- ✧ Define Idle-Loop task, On-Demand task, Inter Cut task.
- ✧ Set the playback status of each program as Play or Pause.
- ✧ The Priority of tasks: Inter-Cut task > On-Demand task > Idle-Loop task.
- ✧ Idle Loop task plays in recurrence, for example seven days is a recurrence and different content for each day.
- ✧ On-Demand task requires Playback Duration, End Time and Counts.
- ✧ Inter-Cut task is triggered by the remote, motion sensor, keyboard, or network control.
- ✧ User Management and Approval System.
- ✧ Define the Privileges of every Role.
- ✧ Administrator distribute different roles to users to manage the access level.)/w
- ✧ Layout Design tool: create new zones with quick click and drag to desired size and location.
- ✧ Layout menu bar: modify the zones' names and values for size and position exactly.
- ✧ Flexible image switch effects: Cut-in Top/Bottom, Cut-in Left/Right, Jalousie Hori/Vert, Grid, Scroll Up/Down, Scroll Left/Right.
- ✧ Static and Scrolling Message
- ✧ Playlist Editing: Edit Playlist according to layout template; set media list for each individual zone.
- ✧ Check the current or previous playback content of each player without on-site inspection. Software should be is Web Browser based, meaning that you can Easily operate anytime and anywhere. The latest IE or Chrome web browsers should be supported. The central software and all software related to LED and LCD used for remote viewing will be property of IITM, Pune, the central software should also cover all the functional parameters mentioned in tender document /below.

D2. Networking- 3G/wireless Broadband

- The displays to be networked with options for Single point remote Data handling, delivery & updating in near real time.
- Required to be connected to display data Server through 3G /broadband wireless
- Display data Server should be connected /interfaced to AQMS data server through LAN/wired mode to collect real time data. In addition, it should also collect the forecasted data from another location in IITM (offline) through internet /broadband (provided by IITM)

- Your data handling Software should be installed at Display data server from where data will go to different indoor and outdoor display boards .
- AQMS data Server will be made available by IITM.
- All boards (LCD's, LEDs, etc) have to be connected through 3G/Broadband wireless connection. Cost for all locations should be quoted separately by supplier on actual (cost of 3G modem for all displays + operational /recurring costs for all the 3G SIM connections) which must be borne by the vendor. IITM will not incur any expenditure either static or recurring for any operation.

D3. DDS Operations- key feature required

The DDS will project the following in Graphic 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 must be there to display the messages and any other text in English and Hindi.
- Data has to be shown in real time – Auto mode
- All display data should be seen/mirror image in the Display servers.
- **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.

D4: Functional Features of display software

1. True colour DDS of outdoor to be installed at each of the proposed locations within the area, identified by the authority
2. Each board can be associated with an embedded control box (if required) in addition to the Display Electronics for display board.
3. Control box should be equipped with **3G modem** to have either **Dial-Up** data connectivity, **SMS** connectivity or broadband based **VPN** connectivity based on the field requirements. The inherent communication network from central node to all the LED and LCD nodes hereafter referred as "Data Communication Network"(DCN).
4. A high end "**Desktop Computer**" co-located at the Central station, connected to the AQMS server via FTP server over LAN connectivity collects regularly [user configurable polling intervals] the required data. This computer to be compatible with **3G** modem to have **data /SMS** or **VPN** or broadband connectivity with all other nodes.
5. The collected **AQ data** may be processed further to make it in the user presentable form and then transfer it over "Data Communication Network" to the respective nodes.
6. **Software** should convert the received DATA into Displayable content and show the content on the target display with pre-set frame stay times & inter-frame delays.
7. **Software** can be configured from to display the latest data received or to display pre-defined play-list slogans/ messages useful to the public.
8. IITM-configurable parameters at **Network Operation Centre**:
 - **Poll interval** (for every **X** seconds, Control PC collects the data from SAFAR server)
 - **Push interval** (for every **Y** seconds, Control PC pushes the data to the respective Display Nodes)
 - **Business logic** for the conversion of standard data into user presentable format (additional parameters, change in units of parameter measures, Min & Max limits of the parameters, the levels of Normal, Medium, Danger for parameter values)
 - Parameter **display template and map** for **bar graph, line graph, Pie-chart** or **tabular** information template / animated or video option.
 - Centralized **Diagnostics, Configuration & Alarm** handling for the displays

- Spontaneous user fed Text Message Display

9. User-configurable parameters of the Display boards:

- Display Frame stay-time, Inter-frame delay
- Frame transition effects
- Manual, time based or photo sensor based Intensity control
- Configurable play-list (interrupt or non-interrupt mode)
- Self health check & monitoring system and spontaneous information to central station in charge.
- Support for English, Hindi and marathi fonts

10. Software feature should include the following:

- Displays will show Air Quality and meteorological data of several parameters for today, captured from atleast 15 locations, in one-after-the other-screen pattern on all locations in map of Pune area, with the time duration of around 5 seconds between each screen. There can be a animation and satellite image for any parameter.
- Next, data of above step will be shown in graphical manner using bar and /line graph/pi-chart, etc.
- It will repeat above step for the next day's forecast for both air quality and met parameters.
- Parameter values going beyond threshold limit (to be provided by IITM) to be shown blinking, to attract the attention.
- Display should have options for several lines at top and several lines at the bottom to show text data. The First two lines of Display will show title, real date and time (there should be provision for the same)
- The Date and Time will be of current day in case of air quality-now, whereas in case of air quality-tomorrow, it will show the date of next day. Same is true for Met. data
- The last one / two lines to be used to display general messages and explanation of the data /abbreviation / units etc. being displayed in the Display
- Data will be refreshed every hour, till that time, it will keep on showing the same data using above mentioned pattern.
- The software should have compatibility as to work properly in LED, LCD and other screens including the LED and LCD boards already available at IITM.

D5. Main Display control Server / PC Specifications - 2 Numbers

PROCESSOR	2nd Generation Intel® Core™ i5-2400 Processor (3.10GHz,6MB) or higher
Chipset	Intel(R) Q67 Express Chipset
OPERATING SYSTEM	Genuine Windows(R) 7 Professional 64bit (English)
MICROSOFT SOFTWARE	Microsoft(R) Office Starter 2010
DISPLAY	21.5in HAS Wide Monitor, VGA/DVI
MEMORY	4GB (2x2GB) Non-ECC DDR3 1333MHz SDRAM Memory
HARD DRIVE (PRIMARY)	1TB 7200 RPM 3.5" SATA Hard Drive
OPTICAL DRIVE	16X Max DVD-ROM Drive
KEYBOARD	USB Keyboard
MOUSE	USB MOUSE
FLOPPY DRIVE & CARD READER	19-in-1 Media Card reader
SOFTWARES and SYSTEM RECOVERY	Windows(R) 7 Professional 64bit Media Kit (Multi-Language). Licensed OFFICE-XP/2007 and all softwares for dynamic website development tools.
USB Ports	2 front & 2 rear
Multimedia	Multimedia Speaker with MIC

(E). Operational Maintenance Contract (OMC)

Supplier should quote for the comprehensive Operational maintenance contract (OMC) for a total period of 5 years. It is understood that as per the practice, there should be a total Comprehensive Maintenance Contract (CMC) for initial one year free of cost. Hence, only the man power cost should be included in 1st year.

This OMC should be included for –

- LED displays -hardware and software,
- LCD displays –hardware and software,
- Direct LED Super Narrow Bezel video–hardware and software
- Central server software
- All consumable; spare parts; recurring expenses viz. 3G-SIM tariff, and regular maintenance for uninterrupted operation (24x7), etc.
- Stationing ONE dedicated trained engineer (at IITM or elsewhere) in control room for all **hardware** related issues.
- Stationing of ONE dedicated trained person (at IITM or elsewhere) in control room for all **software** related issues.
(Persons should be present on all working days (in case or emergency as an when required) as per IITM calendar for the entire duration of the OMC)
- Website maintenance and content development.

The OMC should include all consumable; spare parts; regular maintenance for uninterrupted operation and recurring costs like SIM charges, etc. Display should remain operational at least 90% of the total time in a year. In case of non-compliance, penalty will be charged which may include 2-5% of OC amount per day or extension of OMC period (as decided by IITM). The instrument should be commissioned, regularized and operational after the order is executed without any additional facility and cost to IITM excepting the infrastructure facility viz. space for erecting displays, furnished laboratory space in control room and 230V standard Indian power supply.

• SAFAR Web Site, SMS alert service & Content Development-

(a) A dynamical professional **website** has to be designed, developed and maintained for the SAFAR-PUNE project. This should also include the auto uploading the data and display content of graphics /video & animation. Cost for this should be quoted for 1 year and subsequently as part of 4 year CMC. A complete training on handling and amending this web portal should also be provided to IITM team.

(b) An **SMS alert service** on mobiles should be developed to transmit the short messages on air quality and weather information on demand or on registration.

• Spares for LED displays

Vendor will also provide a list of minimum spares for each board for smooth running and emergency back-up plane.

INDIAN INSTITUTE OF TROPICAL METEOROLOGY PUNE 411 008

TERMS & CONDITIONS

ENQUIRY NO: PS/128/50/2011

Tender Notice No.: PS/Tender/01/2011

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 / Financial 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/- (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, though they require to be enclosed DD towards Tender Fees 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/Tender/01/2011 for purchase of “**Digital Display System (DDS)**”

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 SPECIFICATIONS of the indented equipment.

Another envelope will contain only the financial 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..

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 items 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 21st December, 2011**. Tenders will be opened at **15:00 hrs. on 21st December, 2011** 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 or procure best Equipment / 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, equipment and components supplied under the SUPPLY ORDER 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, transport, transit-insurance, installation charges. 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 equipment and the duties/taxes to be paid such as customs duty/excise duty/VAT taxes etc. separately.
- 13) The complete equipment including operational manuals should be supplied within stipulated period mentioned in the supply order and the vendor should install the equipment within **One Month** after the delivery of the equipment.
- 14) As this Institute is exempted from payment of **Custom Duty and Excise Duty**, exemption certificate will be issued on request.
- 15) The Equipment must carry on-site warranty as specified in **Section E in specification sheet for more details** from the date of taking over of the equipment after the acceptance tests. Warranty period will stand extended for a period of total downtime of the Digital Display system.
- 16) The vendor has to furnish a 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 warranty including extension if any.
- 17) No advance can be paid.
- 18) The **payment terms** shall be as follows:
 - i) **70%** payment against delivery.
 - ii) **20%** payment after satisfactory installation, and successful completion of acceptance tests and training.
 - iii) **10%** payment after execution of Bank Guarantee from a Nationalized Bank and successful completion of acceptance test. The Bank Guarantee will remain valid until the expiry of warranty period including the extensions, if any.

- 19) 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.
- 20) Vendor should arrange appropriate training to the users free of charge, **if required.**
- 21) Indicate the names of the Indian reputed Organizations where you have supplied the similar equipment and may attach the satisfactory performance report of the equipment from user Organization.
- 23) 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.
- 24) Any upgrade of OS and associated other software during the warranty period should be supplied free of charge.
- 25) The vendor should have appropriate facilities and trained personnel for supply, installation and warranty-maintenance of the equipment to be supplied. Detailed information in this regard may be furnished.
- 26) 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.
- 27) Vendor should clearly mention the following:
- Make and model of every item quoted.
 - Delivery period.
 - Company profile with a list of those institutes/users should be attached where vendor has supplied the equipments in question in past.
 - A letter of AUTHORISED REPRESENTATIVE from the Principal should invariably be attached with quotation
 - A copy of latest Income Tax clearance Certificate from Income Tax Department (INDIA)
- 28) Discount offered should be mentioned clearly in the commercial bid only.
- 29) Octroi payment if any, the same may please be shown separately.

- 30) The Tenderers are requested to quote for Educational Institutional Price for equipment and Software, since we are eligible for the same.
- 31) Acceptance tests to be prescribed later will be carried out after installation and the items will be taken over only after successful completion of the acceptance tests.
- 32) **The Equipments are required to be supplied directly at IITM, Pune.** It should be tested & installed in the given locations. Training is also to be provided to the concerned persons of the Institute.
- 33) The item should be supplied with manuals and the manuals including technical / Electronic drawings / circuit diagrams should be complete in all respects to operate the system without any problem.
- 34) The Tenderer has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. *
- 35) Goods should not be dispatched until the Vendor receives a firm order.
- 36) 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.
- 37) **Earnest Money Deposit:**
- a) The Earnest Money Deposit of **Rs.10,00,000/- (Rs. Ten 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 installation, satisfactory demonstration and on acceptance of the equipment by the user Scientist / HOD as per the terms of our purchase 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 **Forty Five days** 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 Annexure 'A').
- d) Tenders not accompanied with Demand Draft I Bank Guarantee towards "Earnest Money Deposit" will summarily be rejected.

- 38) Part and incomplete tenders are liable to be rejected.
- 39) Conditional Offers will not be considered.
- 40) The tenders must be clearly written or typed without any cancellations / corrections or overwriting.
- 41) **Fax / E-mail / Telegraphic / Telex tenders will not be considered.**
- 42) 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.
- 43) If the supplier fails to Supply and Install the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of one percent value of the Purchase Order awarded, per every week delay subject to a maximum of **10%** for every week beyond the due date and such money will be deducted from any money due or which may become due to the supplier.
- 44) In case of any dispute regarding part-shipment, non-compliance of any feature 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.
- 45) Last Date and Time for receipt of Tenders
- 46) Director reserves the right to reject any or all tenders without assigning any reason.

Sd/-

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

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 one year after 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.