



GOVERNMENT OF INDIA

INDIA METEOROLOGICAL DEPARTMENT

**OFFICE OF ADDITIONAL DIRECTOR GENERAL OF
METEOROLOGY (RESEARCH)**

**LONG RANGE FORECASTING
SHIVAJINAGAR PUNE-411 005**

**QUOTATION FORM FOR 10 MBPS (1:1) INTERNET
LEASED LINE AT IMD PUNE CAMPUS**

Sub : Installation of 10 MBPS (1:1) Internet Leased line Connectivity.

Background

India Meteorological Department, Shivajinagar Pune 411 005 intends to procure a 10 MBPS, Symmetric, (1:1) Internet leased line, 24 hours Internet Bandwidth Connection through Optical Fiber Link only. Sealed tenders (technical & commercial are to be provided separately) are, therefore invited from reputed bidders for the aforesaid purpose as per the details given in the technical specifications. These details are available on the IMD Pune website <http://imdpune.gov.in>

Scope of Work

The scope of work in the proposed Tender includes; providing 10 MBPS (1:1) symmetric International Internet Bandwidth through Optical Fiber Connectivity through point to point. The last mile solution should be with redundancy of link at IMD Pune and shortest path to International Gateway with least packet loss/latency <350 ms from any part of the globe. Service Level Agreement (SLA) should commit at least 99.5% service availability, including the last mile connectivity. The scope of the work includes supply, installation and commissioning of related hardware and software for setting up Internet connection at the IMD Pune campus. The scope of work also includes configuration of all related hardware and software including any training to IMD officials.

The proposed solution must meet the following technical specifications.

Specifications of 10 MBPS (1:1) Internet Leased line

- 1) The Internet connectivity leased line should have fully dedicated (1:1), unshared & High Quality 10 MBPS symmetric bandwidth without any compression factor through Optical Fiber.

- 2) The ISP/bidder should have fully resilient and self-healing network architecture, on fiber medium, from the international gateway in India upto the international Points of Presence.
- 3) The ISP/bidder should have Network Operation Centre (NOC) for trouble shooting around the clock at Pune
- 4) The interface would be an Ethernet.
- 5) The bidder should furnish a detailed network/ schematic diagram of total proposed solution showing connectivity from ISP's gateway Terminal Point to IMD Pune Last Mile connection.
- 6) The connectivity from the service provider's POP to IMD premises shall be through Optical Fiber Media only.
- 7) The bidder should submit technical literature explaining the proposed implementation diagram with the technical bid.
- 8) The bidder will also be responsible for any civil / electrical work etc. involved for completion of project.
- 9) End to end circuit management should be there.
- 10) Link would be delivered by the ISP, on **Optical fiber** (point-to-point) which is on the dedicated MUX.
- 11) 16 Static IPs should be allotted with interface bandwidth.
- 12) End-to-end visibility to monitor and control performance.
- 13) Multiple bandwidth 100% for dedicated Uncongested Bandwidth
- 14) SLA based service with Guaranteed Uptime, committed throughput, defined latencies and packet loss.
- 15) Symmetric connections : giving equal upload & download
- 16) Usage graph available on request.
- 17) Managed Security Solutions provided by ISP at their end.
- 18) ISP should provide the optical fiber cable underground.

19) Service Review Reports & Software

A. The bidder shall provide following reports on the web for reviewing service parameters.

- (i) Actual bandwidth
- (ii) Summary of usage weekly, monthly & quarterly.
- (iii) Monthly network bandwidth availability

B. The bidder shall provide web based interface capable to provide the following reports at the server administrator level in IMD, Pune

Bandwidth Utilization (in Mbps)

Bandwidth Utilization(in frames)

Errors (frames/sec)

Discards (frames/sec)

Non- unicast (frame/sec)

Bandwidth Availability

Packet loss (in %)

Latency

Service Support

The bidder should provide support for trouble shooting on 24X 7 X 365 basis so that the maximum availability of the Internet connectivity is ensured.

Uptime

99.5% uptime on 24X 7 X 365 basis from IMD Pune terminal point to ISP location. Deduction shall be made from quarterly charges on pro-data basis for connectivity down time beyond 1% during the quarter.

Trouble Shooting

Bidder shall respond with a solution within two hours of reporting of a problem and restore satisfactory operation within four hours.

Service Performance

The following SLA parameters should be adhered to:

- a) Packet Loss < 1%
- b) Domestic Latency < 70 Millisecond during peak traffic hours
- c) Circuit availability 99.5% (calculated on quarterly basis)
- d) Average latency should not be more than 350ms up to ISP's 1st Tier 1 peering point

Terms and Conditions

- The prices should be indicated both in words and figures. The terms of payment and any other conditions of job should be indicated clearly in the tender if it is desired to ask. Excise Duty, VAT/Service tax and any other charges as extra the same must specifically be stated. In the absence of such stipulation it will be, presumed that the prices are inclusive of all charges and no other claim for the same will be entertained.
- Free ware, higher or better configuration and any other similar packages having no-cost implications attached to it in all or partial shall also be considered in the case of same L1 or refixing L1
- This office will be under no obligation to accept the lowest or any other quotation. It will have the right to accept or reject any quotation or part thereof without assigning any reason whatsoever.
- The vendor shall physically examine the site fully to make sure how the optical fiber cable laying will be done.
- Vendor should provide duration of the completion of the work.
- The tender is non transferable.
- The bidder shall complete and fulfill all formalities.
- Further details, if any, can be obtained from the Director, Long Range Forecasting, Office of Additional Director General of Meteorology (R), Pune.
- IMD reserves every right to alter the specifications /options in the case of better and higher configuration.
- A demand draft of Rs. 20,000/- in favour of Additional Director General of Meteorology (R), Pune payable at any nationalized bank must accompany the quotation as Earnest money deposit (EMD). This amount will be returned to the firms whose quotations are not accepted by this office. Once the bid is finalized, the quotation without bank draft will be rejected.

INSTRUCTIONS TO TENDERER

The tenderer is required to submit the following profile form for this work.

PROFILE FORM

- I.
 - a. NAME OF THE FIRM
 - b. FULL POSTAL ADDRESS
 - c. TELEPHONE NUMBER
 - d. PAN NO. / GIR NO.
 - e. FAX NO.
 - f. MOBILE NO.
 - g. E-MAIL ID
- II **STATUS OF THE FIRM :**
 1. PARTNERSHIP FIRM
 2. PRIVATE LIMITED COMPANY
 3. PUBLIC LIMITED COMPANY
 4. JOINT VENTURE FIRM
- III **ABOUT PAST EXPERIENCE**
 1. What are the job types executed by the firm :
 2. How long does the company executing such jobs :
 3. Whether undertaken similar jobs with Govt. / Public / Private firm
 4. Company name(s) for which similar job executed
 5. Cost of executed job

IV. ADDITIONAL INFORMATION:

Any information you may wish to mention.

V. i) The firm should submit the quotation to this office in a sealed envelope super scribing in bold letters “Quotation for FOR 10 MBPS (1:1) INTERNET LEASED LINE AT IMD PUNE CAMPUS”

ii) The firm should submit technical and commercial bid in separate sealed covers.

The last date for submission of quotation on or before at 1500 hrs of 09/08/2010 and will be opened on the same day at 1600 hrs.

Quotations should be addressed and sent to the following address :

**O/o : Additional Director General of Meteorology (Research),
Dr. D. S. Pai, Scientist ‘E’
Long Range Forecasting,
Meteorological Office,
Shivajinagar,
Pune – 411 005.**