



GOVERNMENT OF INDIA

INDIA METEOROLOGICAL DEPARTMENT

OFFICE OF THE
DEPUTY DIRECTOR GENERAL OF METEOROLOGY
(SURFACE INSTRUMENTS)

Meteorological Office, Pune – 411 005

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Website : www.imdpune.gov.in

File No. : I/PUD-2190/10-11/

Date : 26th July 2010

To M/s

Sir,

Kindly quote for the following stores or their equivalent. Your quotation has to clearly mention following details: (i) Full specifications; make of the item (ii) Delivery period (iii) Terms of delivery (iv) Whether rates quoted include Packing and Forwarding charges, Sales tax, Excise, etc. If not, these are to be shown separately alongwith the rates (No extra charges will be paid/entertained after opening the bids.) (v) Period of validity of offer (vi) Terms of payment. The quotation should reach this office before 1430 hrs of 10th August 2010 in a sealed cover addressed to “The Dy. Director General of Meteorology (Surface Instruments), Meteorological Office, Pune-411 005.” The quotations will be opened at 1430 hrs on the due date. The quoters may be present at the time of opening of the quotation, if they desire so.

S.No.	Description of stores	Quantity
1.	Radio Modem	
	450 MHz	2 Nos
	433.100 MHz	2 Nos
	405 MHz	2 Nos
	(As per specification enclosed)	

Note:

- 1) The sealed cover containing quotation should be super scribed in block letters **“QUOTATION FOR ENQUIRY NO. I/PUD-2190/10-11/ DATED 26th July 2010 AND DATE OF OPENING is 10th August 2010”**
- 2) The right to ignore quotations which fail to comply with the above instructions is reserved.
- 3) The parties bringing quotations personally may drop the same in the **“QUOTATION BOX”** kept in Admin. Section of this office.
- 4) The firm should clearly mention Make and Model of the item being offered, wherever applicable.
- 5) **Firm should give separate bids for technical and commercial separate sealed covered.**

Yours faithfully,

(R.R. Joshi)
Assistant Meteorologist Gr.I
for Dy. Director General of Meteorology
(Surface Instruments)

Technical specifications of Radio Modem

The equipment complies with the ETS 300 113, ETS 300 683 and IEC 60950.

TRANSCEIVER

Frequency Range 400 ... 470 MHz

Channel Spacing 12.5 kHz

Number of Channels 160

Type of Emission F1D (4-level FSK)

Communication Mode Half-Duplex

Transmitter

Carrier Power 10 mW ... 1 W / 50 ohm

Adjacent Channel Power Acc. to ETS 300 113

Spurious Radiations Acc. to ETS 300 113

Receiver

Sensitivity Better than -110 dBm (BER < 10 E-3)

Co-channel Rejection > - 12 dB

Adjacent Channel Selectivity > 60 dB

Inter modulation Attenuation > 65 dB

DATA MODEM

Interface RS-232

Interface connector D15, female

Data Speed of RS Interface 9600 ... 38400 bps

Data Speed of Radio Interface 9600 bps

Data Format Asynchronous data

GENERAL

Range of communication: 7 KM WITH DIRECTIONAL ANTENNA OF GAIN 6 dBi (YAGI)

Operating Voltage +9 ... +30 Vdc

Power Consumption 1.8 VA typical (Receive)

Firm also should provide ac adapter for operating radio modem at 230V AC mains

6.0 VA typical (Transmit)

0.05 VA typical (when DTR is "0")

Temperature Range -25 °C ... +55 °C

Antenna Connector TNC, 50 ohm, female

Construction Aluminium enclosure

Company Should Tune Modems at desired frequency within the Frequency Range

Other terms and conditions

Vendors are requested to give both technical and financial bid. Technical bid is same as financial bid except for price details. Firms whose item quoted is satisfying with specifications is called for demonstration at O/O DDGM(SI), Pune. Financial bids will be opened only for those bidders whose demonstration is satisfactory.

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