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Closing date extension: October 4, 2017

Subject: Inviting sealed quotations for a microwave generator (magnetron head) and associated power supply

Dear Madam/Sir,

Sealed Quotations are invited for microwave generator (magnetron head) and associated power supply. The desirable specifications for the same are given below.

Technical specifications:

Microwave power supply

INPUT VOLTAGE	> 400 Volts AC 3 phase, 50 Hz
MW-OUTPUT POWER	> 4KW pulse @2450 MHz
PULSEBLE	Up to 500 Hz ON TIME : desirable 0 - 100 ms OFF TIME : desirable 0 - 500 ms
PULSE POWER VARIATION	10% - 100% Line Load Regulation 1%
CONDITIONS	Ambient-Temperature: 5 °C – 45 °C, noncondensing Water cooled: 20 °C ... 25 °C (inlet temp)
COOLING	Internally air cooled and water cooled ~ 4 l/min, ~ 4 bar @ 20 °C – 25 °C

Microwave generator (Magnetron head)

HF OUTPUT POWER	Atleast 2000 W CW
FREQUENCY	2.45 GHz +/- 20 MHz
OUTPUT FLANGE	WR 340
COOLING WATER	4 l/min, 4 bar (Inlet temp.: 20°C - 25°C)
INTERLOCK	Magnetron over temperature
CONDITIONS	Ambient working Temperature: 5°C - 45°C, not condensing Humidity : be able to work in high humidity conditions
COOLING CONNECTOR	Hose connection

Terms and condition:

1. Maximum possible educational discounts should be applied – this equipment will be used for research purposes only.
2. Validity of quotation should be at least for 60 days.
3. The delivery period should be specifically stated.
4. Mode of delivery: CIP, IIT Kanpur.
5. Warranty should be for 24 months from date of installation.
6. Quotation should carry proper certifications like authorization certificate, proprietary certificate, etc. (if applicable).
7. Technical bid and financial bid should be separately sealed and put in the same envelope. The envelope should be sent by Courier/Speed post to the address mentioned in the letter head. Soft copy of the quotation will not be accepted.
8. Please mention tender notice number on top of envelope.