

**NOTICE INVITING QUOTATION**

Date: 31-01-2012

**Extended Due date: 02-03-2012**

**NIQ Ref. No.: IITD/PHY/2011-12/Tabletop-DC-Sputtering**

**General description: Tabletop DC Plasma Sputtering System** for the deposition of thin films of metals such as Au, Al and Cu.

**THE DETAIL TECHNICAL SPECIFICATIONS OF THE SYSTEM ARE AS FOLLOWS:**

1.	<b>Input Power</b>	220 - 240V, 50 Hz, $\leq$ 2000W
2.	<b>Specimen chamber</b>	Fused glass chamber.
3.	<b>Substrate holder</b>	The substrate holder should be able to hold the samples up to 50 mm in diameter.
4.	<b>Targets</b>	Targets that are required within the standard package are Au, Cu and Al with diameter of 40 mm or higher. The targets should be minimum of 4N purity. The system should be able to deposit three types of metal films on the substrate sequentially without breaking the vacuum in the chamber.
5.	<b>Gas atmosphere</b>	One needle valve alongwith a flowmeter should be installed to allow Ar gas flow inside the chamber to achieve plasma coating.
6.	<b>Accessories included</b>	The following accessories should be included with the system:  i) Vane rotary vacuum pump 200L/min or higher (external) with Pirani gauge. ii) Vapour trap to prevent back streaming of oil into the vacuum chamber. iii) Stainless steel bellows with KFD-25 adapter and clamps
7.	<b>Overall dimension</b>	The overall dimension of the plasma sputtering system (excluding rotary pump) should be less than 500mm $\times$ 400mm $\times$ 500mm (L $\times$ W $\times$ H).
9.	<b>Warranty</b>	Minimum one year warranty should be provided.

**TERMS and CONDITIONS:**

1. The quotation, in sealed envelop marked as "Ref: IITD/PHY/2010-11/Tabletop-DC-Sputtering" should reach the undersigned on or before 5 pm on 02-03-2012.
2. The vendor should quote **F.O.B. price of the item.**
3. **Technical and financial bids should be enclosed in separate sealed envelopes and clearly marked.**
4. Institute reserves the right to accept/ reject all/ any quotation without assigning any reason thereof.
5. The delivery period should be clearly indicated in the quotation.
6. Submitted quotations should clearly mention the validity period, preferably for a minimum of **3 months**.
7. The mode of payment should be clearly indicated. The preferred mode of payment is through irrevocable LC.
8. In case the quotation is being submitted by authorized agent of the principal manufacturing company, the AUTHORISED SALES AGENCYSHIP certificate from the PRINCIPALS should be furnished along with the quotation. Quotations without this authorization certificate will be rejected.
9. A compliance chart may preferably be provided along with the technical bid.
10. The quotation should include comprehensive **warranty for at least 1 year.**
11. Special discount/rebate wherever admissible keeping in view that items are being procured for educational purpose in respect of Public Institution of national importance may please be indicated.
12. Vendors may attach the relevant brochure/leaflet for the models/options quoted.
13. Installation and training for operation of the equipment should be provided by the vendor.

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