

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A&B, Raja S.C.Mullick Road, Jadavpur, Kolkata-700032, India

Corrigendum-I to Tender No.: SSP/DB/DST/15/01 dated 01.01.2015 (Sl. No. 184)

Sub: RF & DC Sputtering System under the DST project

On the basis of discussions in pre-bid meeting held on 20/01/2015, following amendments may be noted in technical specifications in the above tender:

1. **TECHNICAL BID:**

1) 16" dia 12" tall SS 304 cylindrical chamber with ports for 2 numbers of sputter guns in confocal position, ports for sample holder, pump, gauges, gas inlet, view port, venting etc. Technical drawing of the chamber should be provided in the bid.

2) Flange mounted Magnetron sputter sources (2" target) with inbuilt shutter (magnetic coupled). Facility to change the distance between the target and substrate holder (min 10 cm and max 20 cm). It is preferable to have the capability of mounting 1" target also in the same gun.

5) Heated and rotating sample holder for min 4" dia substrate (or 3 to 4 substrates of smaller sizes). Maximum working temperature range RT-800 degree C.

6) Provision for separate sample holder for liquid N₂ substrate temperature during deposition. Provision for monitoring the temperature should be there.

12) RF powers supply 600W with auto matching network, cables etc.

13) Roughing and backing by rotary pump and high vacuum by turbo pump (air/water cooled Turbo pump with controller, cold cathode gauge with display, cables etc). Minimum vacuum in the chamber should be 1x10⁻⁶ mm Hg.

15) Automatic pressure (precise pressure measurement during sputtering) controller (sputtering/working pressure within 1-75 mT) using capacitance manometer, controllable gate valve or throttle valve.

20) Demonstration with user's targets.

Optional:

1) Option for Plasma annealing without sputtering.

5. Annual maintenance contract for servicing rate for five years

AMC should be criteria for making comparative statement with regard to the technical bid and AMC rates for price bid. The payment of AMC charges will be made as per existing practice.

6. General Instruction:

4) Payment Terms: 100 % through letter of Credit. 90% to be released on shipment and balance 10% against successful installation & commissioning subject to submission of performance guarantee.

Other terms & conditions remain unchanged.

Registrar