

Enquiry No: ME/KKK/04/2013

Dated: June 06, 2013

http://www.iitk.ac.in/infocell/tender/file/ME_KKK_02_2013.Enquiry.pdf

Sealed Quotation must reach to us till 17.06.2013 before 5.00PM and should be sent to Prof. Kamal K. Kar, Department of Mechanical Engineering, IIT-Kanpur, 208016.

The quotations submitted against the enquiry letter numbered ME/KKK/04/2013.

Dear Sir/Madam:

Quotations are invited for purchase of “**PECVD accessories and its integration with multichamber PECVD**” having following specifications:

Multichamber PECVD ACCESSORIES

S.No.	Particulars	Quantity
1.	MFC : Nitrogen 0 – 300sccm	2
2.	MFC : Hydrogen 0 – 150 sccm	2
3.	MFC : Acetylene 0 – 150sccm	2
4.	MFC : Oxygen 0 – 300sccm	1
5.	MFC :Silane (SiH ₄) 0 – 50sccm	4
6.	MFC : NH ₃ 0 – 300sccm	1
7.	MFC : B ₂ H ₆ 0 – 300sccm	1
8.	MFC : GeH ₄ 0 – 100sccm	2
9.	MFC : H ₂ Se 0 – 200sccm	1
10.	Gas Mixing Chamber and all SS Tubing with Swagelock® compatible fittings as SS 316L tubings ¼” Seamless and Annealed. Internally Electropolished to Ra 10 Finish with VCR fittings, orbital welded joints.	4 Chambers Tubing : As required
11.	Gas Line Isolation Valves	4
12.	Gas Inlet Valve (Isolation) Right Angle ‘O’ ring sealed - Electro pneumatically Operated - ISO KF 10 compatible - Micro switch for OPEN indication and	4

	interlock	
13.	Purge Valve: <ul style="list-style-type: none"> - N2 purge valve - KF 10 compatible - Electro pneumatic - Micro switch for feedback and valve Open Indication 	4
14.	Rotameter for N ₂ flow for Purge Gas	4
15.	Scrubber for Gas Exhausts Lines	4

Make for MFC : AXETRIX/ MKS / BRONKHHOST

All the above parts have to be integrated with the Multichamber System with load lock facility for CVD,PECVD , PECVD with ICP Source , PECVD with Microwave Source at the facility and have to be demonstrated. Please note that the gases used are highly combustibile so proper instructions and safety manuals have to be supplied along with the material. Installation will be in the suppliers scope and no extra charge shall be paid for it.

Kindly mention **“PECVD accessories and its integration with multichamber PECVD” (ME/KKK/04/2013)** on sealed envelope carrying quotation, printed literature and proprietary certificate if any and send your best offer so as to reach us on or before 17.06.2013 to the following address-

Prof. Kamal K. Kar
Department of Mechanical Engineering
IIT Kanpur – 208016 India
Email: kamalkk@iitk.ac.in