

Ref. No PH/PSA/75/2017-18

28th March 2018

Dear Sir/Madam,

Kindly send your best quotation for the “**high vacuum system for pulsed laser ablation**” with the following specifications on C.I.P. Bangalore basis. Your quotation should clearly indicate the terms of delivery, delivery schedule, GST, payment terms etc. The tender should be submitted in two separate sealed envelopes - one containing the technical bid and the other containing the commercial bid, both of which should reach us, duly signed on or before 11th April 2018 to

The Chairman (Attention P S Anil Kumar)
Department of Physics,
Indian Institute of Science, Bangalore 560012

Please enclose a compliance statement along with the technical bid.

thanking you

Prof. P.S. Anil Kumar

Dept. of Physics

Indian Institute of Science

Specification

A Vacuum system for pulsed laser deposition consists of min of 12” spherical chamber which should consists of the following options:

The chamber should have the capability to house a STAIB made RHEED on a CF-65 flange. Screen port should have a size of CF-150. There should be view port from top which is CF-100. It should be having a pumping port at the bottom with CF-150 size. The chamber should consist of a 6-target carousel. Sample mounting flange should be on 8” heater with heating capacity is 900°C. Sample rotation: possibility of 360° should be possible. A 2.75” laser beam entry port compatible to 248nm excimer laser should be available. A gas inlet port with gas flow monitor should be available. Ample number of viewports to view samples and target at different angles (2.75”).

Enough space parts like

- 8” viton gaskets (12 numbers)
- 1 complete set of gear assembly for 6- targets
- 2.75” view ports

Please quote separately

- CF-100 glass view port - 1 no
- 2.75” glass view port - 4 no

Vendor should have proven track record in supplying similar products in the past.