

NOTICE INVITING QUOTATION
04/12/2014

Due Date: 26/12/2014

NIQ Ref. No.: ITD/Physics/2014/MTech(SSM)/ Turbo pump

Quotations are invited for a suitable “**Turbo Pump**” for table-top DC Sputtering System with the following specifications from the reputed vacuum pump manufacturers such as Agilent, Leybold and Edwards

S.N.	Item description	Quantity																		
1.	<p style="text-align: center;"><u>Turbo Pump</u></p> <p>Turbo pump for table-top DC Sputtering System with following specifications is required:</p> <table><tbody><tr><td>1. Flange (in)</td><td>DN 100 ISO-K</td></tr><tr><td>2. Flange (out)</td><td>DN 16 ISO-KF / G 1/4"</td></tr><tr><td>3. Fore-vacuum max. for N₂</td><td>15 Torr</td></tr><tr><td>4. Gas throughput at full rotational speed for N₂:</td><td>10-15 Torr l/s</td></tr><tr><td>5. Pumping speed for Ar and N₂ Aprox.</td><td>200-275 l/s</td></tr><tr><td>6. Rotation speed</td><td>50000-60000 min⁻¹</td></tr><tr><td>7. Rotation speed variable</td><td>35-100 %</td></tr><tr><td>8. Cooling method</td><td>Air</td></tr><tr><td>9. Sound level</td><td>< 50 dB</td></tr></tbody></table> <p>Make of pumps: Agilent, Leybold OR Edwards</p>	1. Flange (in)	DN 100 ISO-K	2. Flange (out)	DN 16 ISO-KF / G 1/4"	3. Fore-vacuum max. for N ₂	15 Torr	4. Gas throughput at full rotational speed for N ₂ :	10-15 Torr l/s	5. Pumping speed for Ar and N ₂ Aprox.	200-275 l/s	6. Rotation speed	50000-60000 min ⁻¹	7. Rotation speed variable	35-100 %	8. Cooling method	Air	9. Sound level	< 50 dB	One
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TERMS and CONDITIONS:

1. The quotation, in sealed envelope marked as “Ref: **IITD/Physics/2014/MTech(SSM)/ Turbo pump**” should reach Dr. Rajendra Singh on or before 26/12/2014. **Separate quotations should be submitted for technical bid and commercial bid in two separate and clearly marked envelopes. Please provide agency certificate and proprietary certificate wherever applicable.** The prices quoted must include **FOB price, New Delhi.**
2. Institute reserves the right to accept/ reject all/ any quotation without assigning any reason thereof.
3. The delivery period should be clearly indicated in the quotation.
4. Submitted quotations should clearly mention the validity period, preferably for a minimum of **3 months.**
5. Incomplete and conditional submitted tenders would be summarily rejected.
6. The mode of payment should be clearly indicated.
7. Necessary certificate should be enclosed by the vendor in case of proprietary nature of the quoted items.
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. The quotation should include comprehensive **warranty for preferably 3 years.**
10. The name of the institutes where the above systems have been supplied recently should be provided.

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