

Department of Chemical Engineering

Date: 20/6/2014

Indian Institute of Technology, Delhi

NIQ

Following specifications are required for Xenon light source with complete assembly:

Xenon Light Source

1. Spectrum range: 200-2500 nm
2. MAX. Power : 500W
3. Stability : $\leq 1\%$
4. Lamp adjustment: 2D
5. Reflector adjustment: 3D
6. Xenon lamp life time: 1500 Hrs
7. Beam diameter 50mm
8. 220VAC fan(for air cooling)
9. Xenon lamp housing should have the output light energy is enhanced by spherical reflector behind the xenon lamp.
10. Condenser: 65mm double planoconvex lenses
11. Water/ liquid filter
12. Right angle beam bender(with provision of installing 50mm dia filters)
13. **1 spare lamp**

Power Supply

Operation Voltage: 220V \pm 10%, 50HZ

Power: 500W

Current: 28 A

Trigger Voltage (KV): 30

Current Stability: <1% @26A

Power dissipation (W) : <650

Optical stability: <1%

Light Output Ripple <0.05% (Operation Current 26.5A)

Please send the above quotations latest by 5/7/2014

Terms and conditions

1. Quotations must be in sealed envelope; **technical** and **commercial bid** must be sent **separately** in two sealed envelopes & then **put together in one envelope**. The quotes must reach the following address by 5/7/2014 by 17:00 hours latest. Your Quotations should be superscripted “Quotations for Xenon light source with complete assembly”.

Prof. A. N. Bhaskarwar

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Hauz Khas New Delhi – 110016.

2. Price must be quoted CIF New Delhi.
3. Training should be provided free of cost
4. Indian agency certificate must be enclosed if applicable.
5. Propriety certificate might be enclosed if applicable.
6. Payment through L/C.
7. Validity of quotations should be at least 3 months.
8. Period of delivery should be mentioned.
9. No advance payment will be made.
10. Educational discount should be mentioned
11. Warranty detail must be given (Three year)

Remarks: The Institute reserves the right to accept or reject any of quotations without assigning the reason thereof.

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