

**Government of India  
Bhabha Atomic Research Centre  
Radiation & Photochemistry Division**

Ref:- RPCD/166940

Date:- 28/08/2018

**Sub:- Minor Fabrication of Holographic Notch Filter as per Technical Specification  
given in Annexure - I**

Sealed quotations are invited on behalf of President of India by Head, Radiation & Photochemistry Division, BARC, Trombay, as per enclosed specification from the eligible contractors having adequate experience in similar works with the units of DAE, NPCIL, or Public Undertakings.

Bidder shall quote for the fabrication and transport as per enclosed technical specification given in Annexure - I.

The quotation must reach Head, Radiation & Photochemistry Division by **18<sup>th</sup> September 2018, by 16.00 hrs** and must be sent in a sealed envelop. Sealed envelop should clearly indicate Name of work, Reference number & due date of submission. The address on the envelop should read as

The Head, Radiation & Photochemistry Division  
Kind Attention-Dr Ankur Saha  
Bhabha Atomic Research Centre, Trombay  
Mumbai-400085

The offer should be valid for at least 60 days from the due date of the tender and quoted price shall remain firm during the period of execution of the work

The quotation should be submitted on printed letter head indicating GSTIN, PAN number of the firm

Sealed quotation should be **submitted only through registered post/speed post through Indian Postal Service.**

Taxes, duties and other charges if any shall be quoted separately.

The bidder shall deliver the items after approval by our engineer **within 45 days** from the date the firm purchase order is issued to the bidder.

Head, Radiation and Photochemistry Division, reserves the right to accept/reject any or all quotation without assigning any reason.

## TERMS AND CONDITIONS:

The acceptance of tender shall rest with department which does not bind itself to accept the lowest tender and reserves to itself the authority to reject any or all of the tenders received, without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.

Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.

The Successful bidder whose tender is accepted will be required to obtain Police Verification Certificate (PVC) issued by Special Branch of Police at his own cost for all his workmen i.e. Supervisors and Labours to work inside BARC and should quote accordingly. The PVC will be valid for one year.

  
(P.D. Naik)  
Head, RPCD, BARC

अध्यक्ष, विकिरण एवं फोटोरसायनिकी प्रभाग  
Head, Radiation & Photochemistry Division  
भा.प.अ.केंद्र, ट्रॉम्बे, मुंबई - ४०० ०८५.  
B.A.R.C., Trombay, Mumbai - 400 085.

Specifications for Holographic Notch Filter for wavelength 532.0 nm

**Quantity Required: 2**

1. The optical density of the notch filter should be high and the spectral bandwidth of the notch should be extremely narrow.
2. The holographic notch filters should be free from extraneous reflection bands and should provide significantly higher laser damage thresholds than standard interference filters.
3. The holographic filters should be capable of providing up to six order of magnitude of attenuation of the Rayleigh line along with sharp spectral cutoff's.
4. Optical Specifications

<b>Laser Attenuation</b> Optical Density (Averaged over entire clear aperture)	>6.0
<b>Spectral Bandwidth</b> Wavenumbers between O.D. 0.3 or 50% transmission points	<350 cm <sup>-1</sup>
<b>Spectral Edgewidth</b> Wavenumbers between O.D. 0.3 and 4.0 points	<150 cm <sup>-1</sup>
<b>Wavelength</b>	532.0 nm

5. Physical Specifications

<b>Environmental Stability</b>	No detectable performance change after cycled between -50°C to +80°C and returned to room temperature.
<b>Sizes</b>	Diameters: 1.0 inch Thicknesses: ~0.23 inches nominal
<b>Filter Clear Aperture</b>	Active Filter Diameter: Greater than 0.6 inch
<b>AR Coated</b>	Yes

6. Warranty: At least 3 Years