

**Bhabha Atomic Research Centre  
Applied Physics Division**

**Tender No. BARC/APD/MF/PCD/2020/117859**

**Due on 09/12/2020 at 1600 hrs**

24<sup>th</sup> Nov 2020

Sub: Invitation of Quotations for **Minor Fabrication of Optical glass fiber of diameter 200micron and length 10m with both end FC/PC connector as per attached annexure-1.**

Dear Sir,

Quotations are invited for the minor fabrication job of **Minor Fabrication of Optical glass fiber of diameter 200micron and length 10m with both end FC/PC connector as per attached annexure-1.**

Bidder shall quote for fabrication of the same.

- 1) Taxes and excise duties shall be quoted separately.
- 2) Quotation must be in the printed letter head/quotation format, which should consist of sales tax, registration number registered with local ST authority/CST authority, PAN number of the firm, Service tax registration number etc. Quotations that are received in computer-generated form are to be constructed as invalid and rejected.
- 3) The quotations must strictly reach,  
**Head, Applied Physics Division**  
Purnima Laboratory  
Bhabha Atomic Research Centre ,  
Trombay, Mumbai 400085.  
Attn: **Shri. P C Das**  
on or before **09/12/2020 16:00 HRS** and must be sent in a sealed envelope super scribed "MINOR FABRICATION" with the above reference number and due date given above.
- 4) The fabrication work shall be subject to inspection by our engineer. The finished components shall not be dispatched prior to approval by our engineer, at bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
- 5) The bidder shall specify the **delivery period** (not exceeding **8-10 weeks**), in case of order.
- 6) **Head, Applied Physics Division, B.A.R.C.**, reserves the right to accept/reject any or all quotations without assigning any reason.
- 7) **Payment** will be made as per rules after completion of the job satisfactorily.
- 8) **Validity:** The offer shall be kept open for acceptance for a period of **60 days** from the date of opening of quotation
- 9) **Proof of ability** - A brief list of similar jobs executed if any and name of the organization to be furnished.
- 10) **Delivery:** The bidder shall deliver the finished components after approval by our engineer, and scrap form the free issue material shall be delivered by the bidder **at APD, Purnima Laboratory BARC Bombay,** at free of cost.

Enclosure: Scope of Tender

*Prakash Ch Das*  
(Prakash Ch Das)

Scientific Assistant- E

For and on behalf of President of Indi

**Annexure-1**

**Optical glass fiber of diameter 200micron and length 10m with both end FC/PC connector: 130Nos**

**Specification of 200  $\mu$ m core Glass clad Silica Multimode Optical fiber:**

Sr No.	Parameter	Value
1	Core Diameter	200 $\mu$ m $\pm$ 2%.
2	Wave length Range	400-2200nm
3	Hydroxyl content	Low-OH
4	Cladding Diameter	220 $\mu$ m $\pm$ 2%.
5	Numerical Aperture	0.22 $\pm$ 0.02
6	Core cladding	Pure Silica/ Fluorine-Doped Silica
7	Proof Test	$\geq$ 100KPsi
8	Momentary Bending Radius	11.2mm
9	Long term bending radius	26.8mm
10	Fiber should be jacketed with PTF sleeve	

**Note:** Test certificate should be provided for low insertion loss and transmission efficiency in each patch cable.

*Prakash Ch Das  
P C Das,  
SATE, APD, BARC*