



Indian Institute of Technology Madras  
ELECTRICAL ENGINEERING DEPARTMENT  
I.I.T.P.O., MADRAS-600 036  
Phone No. 2257 5419 (EED Stores)

DATE: 25-8-2016.

DUE DATE: Sept 15-2016

Ref No

ELE DEEPA 2016

EDFA  
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Dear Sirs,

1. Quotations are invited in duplicate for the various items shown below / overleaf / Enclosed list.
2. The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The Quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
6. Local Firms : Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
7. Firms Outside Chennai : Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.

Yours faithfully,

Deepa Venkatesh

Head / Project co-ordinator

19/8/16

~~Technical writeup- Justification for the product~~

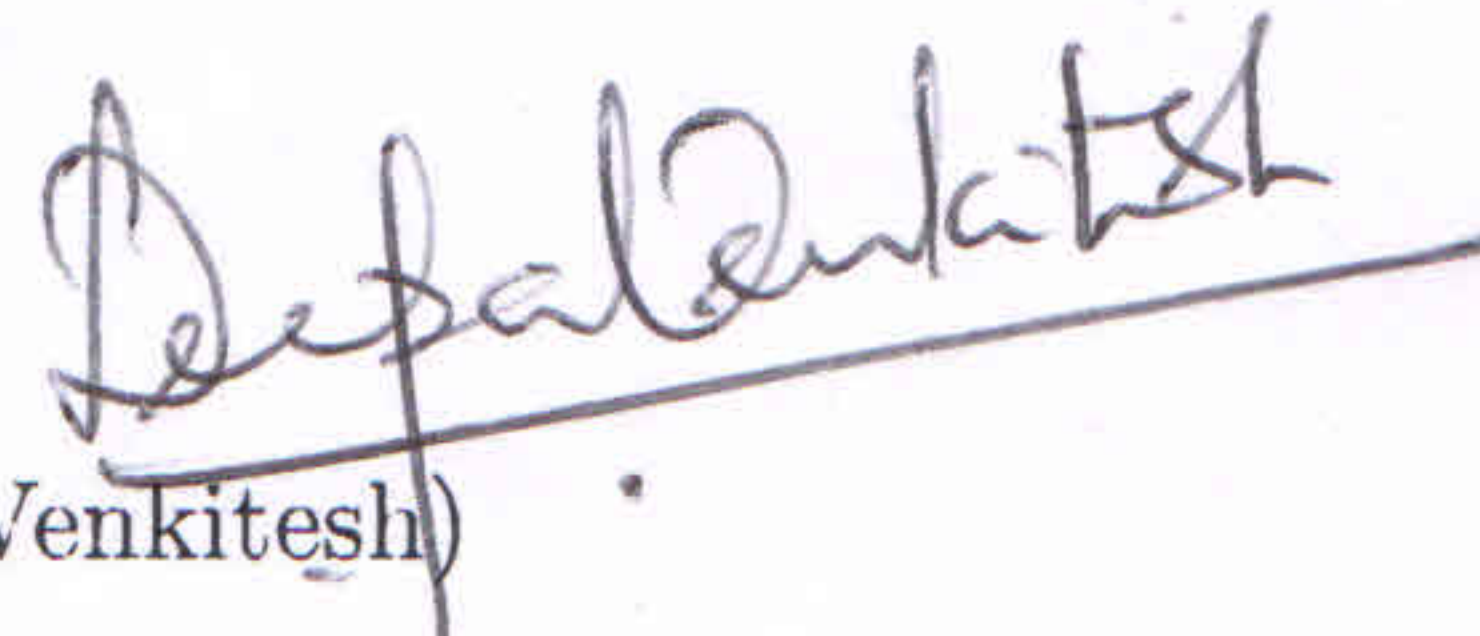
## Technical Requirements

### **Low Noise Optical Fiber Amplifier**

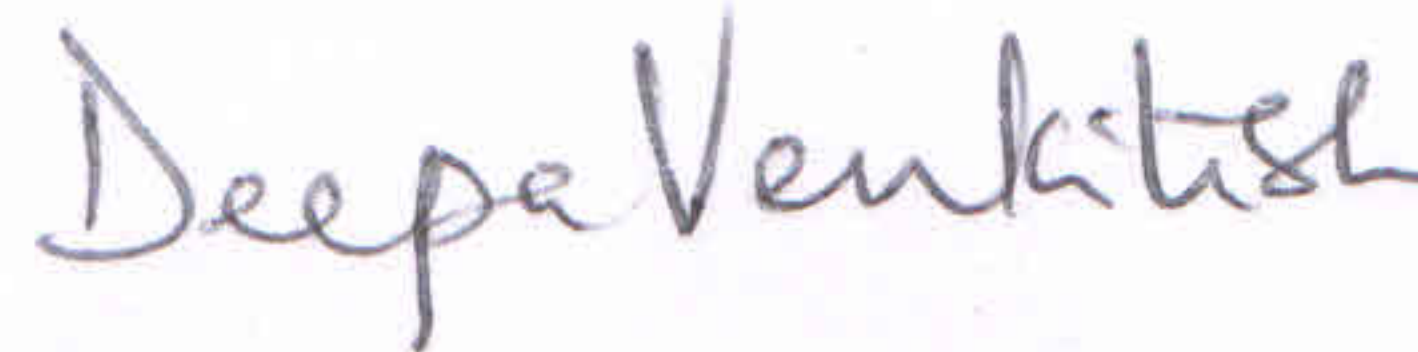
The system to be purchased is an optical amplifier, which takes optical signal as input and gives an amplified optical signal at the output, with the following specifications.

- Two stage Core pumped Er doped gain fiber
- Wavelength range = 1525-1565 nm
- Saturated output power > 23 dBm
- Small signal gain  $\geq$  40 dB
- Noise figure  $\leq$  4 dB
- Input power range = None to +20 dBm
- Isolators at both input and output ports
- RS-232 Communications Interface

These specifications are required to characterise an optical signal for communication applications specifically in the receiver side. The vendor should have sold out more than 100 units of the product already. Vendor must quote along with the compliance table for the specifications and charges should include CIF.



(Dr. Deepa Venkitesh)



(Name and Signature of the Project coordinator)