

| <b>HIGH POWER ERBIUM DOPED FIBER AMPLIFIER x2</b>  |  |   |
|--|--|---|
| <b><u>A.</u> Amplifier Specifications</b>  |  |   |
| 1  | Wavelength Range   | 1535 nm – 1565 nm   |
| 2  | Saturated Output Power   | > 37 dBm @ -10 dBm of Input Power                                     |
| 3  | Input Power Range  | -10 to + 20 dBm   |
| 4  | Adjustable Small Signal Gain   | 25 to 50 dB   |
| 5  | Output pulse broadening (with 300 fs input at pulse rep. rate of 10GHz and at 1550 nm) | < 100 fs (supplier needs to test the actual unit before the delivery) |
| 6  | Noise Figure   | < 6.5 dB @ -10 dBm of Input power                                     |
| 7  | Isolation of Input and Output ports  | > 45 dB   |
| 8  | Input & Output Fibers  | Single mode fibers with Angled FC/APC connectors                      |
| <b><u>B.</u> Other SPECIFICATIONS</b>  |  |   |
| 1  | Digital display of Input and output powers   | Required  |
| 2  | Optical monitors for both Input & Output signals                                       | Required  |
| 3  | RS-232 Communications Interface  | Required  |
| <b><u>C.</u> Suppliers should provide technical compliance including explanations without fail against each point given in the technical specifications for consideration of the offer.</b>            |  |   |
| <b><u>D.</u> Power requirement: As per Indian electrical standards (230V AC, 50 Hz)</b>  |  |   |
| <b><u>E.</u> Standard warranty for 1 year from the date of installation. The vendor is also expected to provide the cost for an extended comprehensive warranty until 5 years as an optional item.</b> |  |   |
| <b><u>F.</u> Parent company should be an established company with a good number of installations (at least 20).</b>  |  |   |
| <b><u>G.</u> Standard configurations will be required. <b>NO CUSTOM BUILT SYSTEMS WILL BE ENTERTAINED.</b></b>   |  |   |

Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified