ANNEXURE-1

1. **Thulium doped LMA fiber: Double clad, Polarization Maintaining**
   Quantity: 10 m

Should have NuCOAT fluoroacrylate coating for greater fiber durability.
Specifications

- Operating Wavelength: 1900 – 2100 nm
- Core NA: 0.09
- First Cladding NA (5%): ≥ 0.46
- Cladding Attenuation: ≤ 15.0 dB/km @ 860 nm
- Cladding Absorption: 0.80 ± 0.10 dB/m at 1180 nm; 2.40 dB/m at 793 nm
- Birefringence nominal: 2.5×10^{-4}
- Cladding Diameter: 400.0 ± 15.0 µm
- Core Diameter: 25.0 ± 2.5 µm
- Coating Diameter: 550.0 ± 20.0 µm
- Coating Material: Low Index Acrylate
- Prooftest Level: ≥ 100 kpsi (0.7 GN/m²)

2. **Passive LMA fiber: Double clad, Polarization Maintaining**
   Quantity: 10 m

Specifications:

- Operating Wavelength: 1900 – 2100 nm
- Core NA: 0.1± 0.010
- First Cladding NA (5%): ≥ 0.46
- Cladding Attenuation: ≤ 15.0 dB/km @ 1095 nm
- Birefringence nominal: 2.0×10^{-4}
- Cladding Diameter: 400.0 ± 15.0 µm
- Core Diameter: 25.0 ± 2.5 µm
- Coating Diameter: 550.0 ± 20.0 µm
- Core/Clad Offset: ≤ 2.0 µm
- Coating Material: Low Index Polymer
- Prooftest Level: ≥ 100 kpsi (0.7 GN/m²)

3. **Dispersion tailored fibers for 2 µm pulsed applications**
   Quantity: 10 m

Should have UV curved, dual Acrylate coating.

Specifications:

- Operating Wavelength: 1500 – 2100 nm
- Core NA: 0.370
- Mode Field Diameter: 3.5 ± 0.30 µm
- Mode Field Diameter (Nominal): 4.0 µm @ 2000 nm
- Cut-off: 1110 ± 50 nm
- Dispersion: -50 ± 10 ps/(nm.km) @ 1550 nm
- Dispersion: -55 ± 10 ps/(nm.km) @ 2000 nm
- Dispersion Slope: ~ ps/(nm².km) @ 2000 nm
- Cladding Diameter: 125.0 ± 1.0 µm
- Core Diameter: 2.10 µm
- Coating Diameter: 245.0 ± 15.0 µm
- Core/Clad Offset: ≤ 0.50 µm
- Coating Material: Acrylate
- Prooftest Level: ≥ 100 kpsi (0.7 GN/m²)