

## Annexure-I

### Equipment Name: Endoscopy arm and seeding pump along with accessories

#### MAIN COMPONENTS

The major equipment comprise of the following:

Si. No.	Main Component/Equipment	Unit	Quantity
1.	Endoscopy arm along with accessories	No.	1
2.	Seeding pump along with accessories	No.	1

#### TECHNICAL SPECIFICATIONS FOR Endoscopy arm and seeding pump along with accessories

Feature	Required features
Application	To delivery laser light from source to test section with smooth movements without loss of light intensity
Endoscopy arm along with accessories	
Type of Endoscopy	Arm
Length	* 1.8 m or longer
Mirror Arrangement	* Suitable Mirror arrangement (flexible movement)
Beam Wander	<+/- 1.0 mm from center at all positions <+/- 0.5 mm from center at most positions Angular error at distal conector: < +/- 1 mrad
Mirror size	Diameter : 25 – 30 mm Thickness : 3 mm
Transmission	532nm, 527nm, 355nm, 266nm: > 90%
Aperture throughout the full arm:	15 mm or smaller
Laser light source	Double pulsed laser
Mounting	* Suitable Mounting arrangement
Warranty	Minimum one year warranty period from the date of installation.
Seeding pump along with accessories	
Air supply	Max 16 bar
Connections	* Suitable Inlet and Outlet connecitons
Flow rate	2 – 6 m <sup>3</sup> /h
Liquid	DEHS (Di-Ethyl-Hexyl-Sebacate), vegetable oil
Particle size	0.5 – 1.0 μm
Warranty	Minimum one year warranty period from the date of installation.
<b>Eligibility Criteria</b>	a) Endoscopy arm and seeding pump should be compatible with the existing double pulsed Nd: YAG lazer (Quantel lazer). b) Should have Supplied to any IIT in India & details to be provided. c) Reputed Make

\*\* - Bidder to specify in their offer

**Note:** All the technical parameters are indicative value, Bidder will be designing and specifying in their offer.