

**Annexure – 1**

**Technical Specifications for Telecentric Lens**

Qty Required: 1 No

<b>Telecentric Lens</b>		
<b>Sl. No.</b>	<b>Parameter</b>	<b>CMTI Requirement</b>
1	Sensor Size	Compatible to APS-H (PYTHON 16K) format
2	Magnification	0.3 X
3	FOV for PYTHON 16K	60 mm x 60 mm
4	Working Distance	Between 250 mm and 266 mm
5	Depth of Field	$\geq 7$ mm
6	Resolution	$\leq 17\mu\text{m}$
7	Mount	M42
8	Telecentricity (Max)	$\leq 0.1$ deg
9	Distortion (Max)	$\leq 0.1$ %
10	Length of Lens	$\leq 460$ mm
11	Front Diameter	$\leq 145$ mm
12	Weight	$\leq 3$ kg

*Def*