COMPLIANCE MATRIX FOR TECHNICAL SPECIFICATIONS

Sl. No.		VSSC Specification	Qty.	Compliance (Yes/No)	Remarks
1		**High density Film Digitizer**			
	a.	Scanning Light Source He-Ne Laser (wavelength: 633nm)			
	b.	Laser source class : Class II-b and device: class- I			
	c.	Sensor : Photomultiplier			
	d.	Film width to be scanned : around 14''/35cms (max.) and 60mm (min.)– small/cut films			
	e.	Scan Resolution: Min 50μm to 500μm			
	f.	Optical Film Density: 0 to 4.7 D			
	g.	Interface: USB 2.0 or better	1 No.		
	h.	Pixel Depth: 12 Bits/Pixel (4096 gray levels) log(min) adjustable			
	i.	Scan Speed: 7 sec. in 200μm mode. Not more than 2 min. in 50μm mode			
	j.	Self calibration			
	k.	Power: Input 230 V AC 50Hz ± 10%			
	l.	The Digitizer shall meet the requirements of ASTME1936, ISO/EN 14096-1 & -2 Standards & Equipment Class DS specified at ISO/EN14096.			
	m.	The scanner shall be tested, approved & certified by BAM –Germany.			
2		**Operating System Specifications**			
	a.	Windows 10 professional or better			
	b.	Intel Xeon Processor E5-2650 or better			
	c.	RAM Memory 64 GB DDR4 or better			
	d.	Standard LED Colour Monitor-27 inch			
	e.	Graphics card NVIDIA with 8 GB or better with multiple graphics card output and multi monitor support	1 Set		
	f.	Hard Disk 2 TB, 7200 RPM Enterprise SATA HDDs			
	g.	DVDRW drive			
	h.	USB 2.0 ports or above			
	i.	Microsoft Office 2016 installed with licensed media			
	j.	External hard disk 4-TB or better			
3		**High Resolution Grayscale Monitor**			
	a.	5 MP, 21.3 inch Monochrome LCD Monitor with Dual Standard configuration			
	b.	Type: Monochrome (IPS)			
	c.	Native resolution: 2048 x 2560(4 : 5 aspect Ratio)	1 No.		
	d.	Viewable Image Size- 300 x 400 mm or better			
	e.	Viewing Angles: 178°/178°			
	f.	Brightness : 2500 cd/m^2			
	g.	Recommended brightness for calibration: 600 cd/m^2, 1000 cd/m^2			
	h.	Contrast ratio - 1700 : 1			

	i.	Video Input terminals: DVI-D (dual Link)x 1, Display Port x 2			
	j.	Suitable interfacing cables are to be supplied to connect to PC to transfer Data and Power			
4		**Interfacing Software requirements**	1 Set		
	a.	64 bit Drivers for scanner			
	b.	Long Film scanning in 64 bits upto 35 x 500 cm			
	c.	Complete package of functions for viewing and managing images			
	d.	Full support TIFF/DCM/JPG in 8 bit and 12 bits			
	e.	Up gradation of scanning and viewing function for a period 12 months or more			
	f.	Suitable image interpretation and measurement tools such as filtering/image enhancement /dimension measurements/defect marking/stitching of images etc.			
	g.	Installation and instruction manuals in English			
	h.	Suitable viewing, searching, organizing and measurement modules inbuilt.			
	i.	Fully Licensed Driver software			
	j.	Images- 8 & 12 bit TIFF images			
	k.	Images shall be EN 14096 compliant			
	l.	NDT report preparation options inbuilt.			
5		AGFA Film density Step Wedge	1 No.		