	Minutes of technical committee meeting for NIT-45/2018-NC-001162-12-R&D-NIS-5.03-0100-18-19			
S.No	**Item**	**M/S New Age Instruments & Materials Pvt. Ltd., Gurugram (Party #1)**	**M/S Advanced Photonics, Mumbai (Party #2)**	**Remarks**
	SUPERCONTINUUM SOURCE	*Based on the technical bid submitted by the parties and enclosed with this document*		
	Principals	M/S YSL Photonics, China	M/S NKT Photonics, Denmark	
	Model	SC-Pro: 40 MHz	EXW-12	
	Tender specifications			
1	Visible power (over the entire spectral band) > 4 W	>4W	4W	Complies
2	Repetition rate: > 40 MHz	40MHz	78± 0.5 MHz	"
3	Power density: 1 mW/nm	> 1 mW/nm	≥1.0mW/nm	"
4	Wavelength range: < 450 nm to > 2000 nm	450-2400nm	455nm to 2300nm	"
5	Pump/seed pulse width: < 6 ps	~6ps	~5ps	"
6	Beam diameter: > 2 mm (approximately)	~2mm@633nm	~1mm@530nm ~2mm @1100nm ~3mm@2000nm	"

Dr. Nitish Das

7	Beam Quality: M2 < 1.1	<1.1	<1.1	Complies
8	Beam output: Gaussian beam profile, TEM_{00} mode		Gaussian, single mode	"
9	Beam divergence: < 5 mrad	<1 mrad	<5 mrad	"
10	State of polarization: unpolarized	unpolarized	unpolarized	"
11	Power stability: < 2% peak-to-peak (long-term)	<1%	< ± 0.5 %	"
12	Operating temperature range: 15-40oC		+18o to +30oC	"
	#2: Specifications for Acousto-optic tunable filter (AOTF):			
13	AOTF Wavelength Range 400-650nm (visible)	400nm~650nm	400-650nm	Complies
14	AOTF Wavelength Range 650-1100nm (NIR)	650nm~1100nm	690-1100nm	"
15	AOTF Wavelength Range 1000nm-2200nm (MIR)	1100~2200nm	1100-2000nm	"
16	Channel Bandwidth: 2-8 nm in Visible range	VIS: 2-8 nm	1,8 – 8,5nm	"
17	Channel Bandwidth: 2-6 nm in near-infrared range	NIR :2-6 nm	1,8 – 5nm	"
18	No. of simultaneous channels: 8 or more		1 – 8 (per AOTF)	"
19	Supercontinuum Optical Throughput: 40%	Output Efficiency: >40%		"
20	Output state of polarization: Linear	linear	linear	"
21	Control interface: USB	USB	Control via common software	"

Technical Data