Luminex PLC	**END TO END LOSS MEASUREMENTS BY OPTICAL POWER METER & SOURCE**	**Form No :PO II/D2/09**

ISLANDWIDE OPTICAL FIBER BACKBONE NETWORK PROECT

Road	**Maithripala Senanayake Mawatha, Anuradhapura**	**Sector**		**Date**	**25/06/2026**
Site	**INTERNATIONAL COLLEGE OF BUSINESS & TECH LTD - CX033107**			**Sheet No**	**1**

Section	From : **ICBT CX033107 - ODF-01 (01,02)**	To : **AN0002 - Anuradhapura Suntel /ODF-01 (17,18)**

(1) Representative Calibration Value of the Power Meter

Description	P1/ dB	P2/ dB	E=P2-P1 (dB)	Remarks	No of Cores	2	
1st	0.00	-7.34	-7.34		Actual Distance	1.020 Km	
2nd	0.00	-7.90	-7.90	Patching	OTDR Distance	1.020 Km	
3rd	0.00	-7.67	-7.67		No of Splicing	4	
Rep. Calibration Value = Sum (P2-P1) / 3					Wave Length	1310nm	

(2) Optical loss of End to End.

Port No	P in (1)	P out (2)	Rep. Calib. Value "E" (3)	Optical Loss {(1)-(2)}+(3)
1	0.00	-8.64	-7.63	1.01
2	0.00	-8.36	-7.63	0.73

Port No	P in (1)	P out (2)	Rep. Calib. Value "E" (3)	Optical Loss {(1)-(2)}+(3)

Acceptance Criteria:

1 Average Splice loss (both directions) for G655 at 1550nm fiber 0.1 dB

2 Attenuation co-ef limits for G652

At 1310nm 0.40 dB/km

At 1550nm 0.25 dB/km

3 Attenuation co-ef limits for G655 At 1550nm 0.25 dB/km

4.For G655 (NZDSF) link loss measurement at 1310nm is not applicable.

5.Acceptable link loss (0.40 x Fiber length in KM) + 0.1x No. of splices + connectors loss (2 each x 0.5dB **1.608**

	TESTED & SUBMITTED BY	ACCEPTED BY
	CONTRACTOR	DIALOG
NAME	Asiri Rasanga	
DESIGNATION	T/O	
SIGNATURE		
DATE	25/06/2026	