

Annexure III: List of existing equipment

SN	Location	Equipment	Description	Qty
1	Thimphu (BT Data Center)	DrukREN Router	Core Roter - Juniper MX204 (cr2-thimphu.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	1
		GovNET Router	Core Router - cisco ASR1013 (This router is in GovTech DC)	1
		Rack	38U Rack 19"	1
		Booster Amplifier	9dB Gain (Adjusted Gain) - Packet Light PL-1000IL	1
		Smart PDU	APC AP7822B	1
2	Rurichu (DGPC Substation)	Layer 2 Switch	Repeater Switch - Juniper ex4600 (ex4600-rurichu.drukren.bt)	1
		Layer 2 Switch	OOB Switch - Juniper ex4300 (ex4300-rurichu.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	3
		Rack	38U Rack 19"	1
		Booster Amplifier	20 dB gain towards Darjay - Sopto SPOA-BA-ERA1U-20-LU2A	1
		Pre-Amplifier	20 dB gain from Darjay - Sopto SPOA-PA-ERA1U-20-LU2A	1
		Smart PDU	APC AP7822B	1
3	Darjay, Tsirang (BPC Colocation Shelter)	DrukREN Router	Core Roter - Juniper MX80 (gw1-tsirang.drukren.bt)	1
		GovNET Router	Core Router - ASR1001x	1
		Layer 2 Switch	Repeater Switch - Juniper ex4600 (ex4600-tsirang.drukren.bt)	1
		Layer 2 Switch	OOB Switch - Juniper ex4300 (ex4300-tsirang.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	2
		Rack	38U Rack 19"	1
		Pre-Amplifier	20 dB gain towards Gelephu (Pre-Amp used as Booster) Sopto SPOA-PA-ERA1U-20-LU2A	1
		Smart PDU	APC AP7822B	1
4	Gelephu (TIICL PoP)	DrukREN Router	Core Roter - Juniper MX204 (cr1-gelephu.drukren.bt)	1
		GovNET Router	Core Router - ASR1001x	1
		Layer 2 Switch	Repeater Switch - Juniper ex4600 (ex4600-gelephu.drukren.bt)	1
		Layer 2 Switch	OOB Switch - Juniper ex4300 (ex4300-gelephu.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	2
		Rack	38U Rack 19"	1
		Booster Amplifier	20 dB gain towards Darjay - Sopto SPOA-BA-ERA1U-20-LU2A	1
		Smart PDU	APC AP7822B	1
5	Tingtibi, Zhemgang (BPC Colocation Shelter)	DrukREN Router	Core Roter - Juniper MX204 (cr1-zhemgang.drukren.bt)	1
		GovNET Router	Core Router - ASR1001x	1
		Layer 2 Switch	Repeater Switch - Juniper ex4600 (ex4600-zhemgang.drukren.bt)	1
		Layer 2 Switch	OOB Switch - Juniper ex4300 (ex4300-zhemgang.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	2
		Rack	38U Rack 19"	1
		Booster Amplifier	20 dB gain towards Gelephu - Sopto SPOA-BA-ERA1U-20-LU2A	1
		Pre-Amplifier	20 dB gain from Gelephu - Sopto SPOA-PA-ERA1U-20-LU2A	1
6	Panbang (BT PoP)	Layer 2 Switch	Repeater Switch - Juniper ex4600 (ex4600-panbang.drukren.bt)	1
		Layer 2 Switch	OOB Switch - Juniper ex4300 (ex4300-panbang.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	2
		Rack	38U Rack 19"	1
		Booster Amplifier	20 dB gain towards Nganglam - Sopto SPOA-BA-ERA1U-20-LU2A	1
		Smart PDU	APC AP7822B	1
7	Nganglam (TIICL PoP)	Layer 2 Switch	Repeater Switch - Juniper ex4600 (ex4600-nganglam.drukren.bt)	1
		Layer 2 Switch	OOB Switch - Juniper ex4300 (ex4300-nganglam.drukren.bt)	1
		DWDM MDU (Passive)	Sopto 45CH DWDM Mux/DeMux 100Ghz	2
		Rack	38U Rack 19"	1
		Booster Amplifier	20 dB gain towards Panbang - Sopto SPOA-BA-ERA1U-20-LU2A	1
		Smart PDU	APC AP7822B	1