

## REFERENCE: RFP 25/2024

### Business Requirements Specification (bill of materials)

#### INTRODUCTION

This Business Requirements Specification (BRS) defines the procurement needs for Cisco hardware to support the IT infrastructure at SARS's new Disaster Recovery site at Alberton Campus. It details the technical specifications for acquiring networking hardware and software licenses, ensuring scalability, reliability, and high performance for the DR environment.

#### BACKGROUND

SARS is planning to move its Disaster Recovery (DR) site from SITA to its Alberton Campus. An on-premises Data Centre with internally managed infrastructure has been identified. New Cisco hardware will ensure a redundant, high-capacity network for the DR platform.

#### TECHNOLOGY SPECIFICATIONS

The Bidder is required to follow the BOM provided and may not alter it to influence pricing. The BOM has been certified by Cisco in advance to provide clarity and guidance to all Bidders.

The Bidders must not quote on any maintenance as this will be sourced through a different process.

Line Number	Part Number	Smart Account Mandatory	Description	Estimated Lead Time (Days)	Qty
1.0	N9K-C93108TC-FX3	-	Nexus 9300 with 48p 100M/1/10GT & 6p 40/100G QSFP28+	14	2
1.1	NXK-AF-PE	-	Dummy PID for Airflow Selection Port-side Exhaust	14	2
1.2	MODE-NXOS	-	Mode selection between ACI and NXOS	21	2

1.3	NXOS-CS-10.4.3F	Yes	Nexus 9300, 9500, 9800 NX-OS SW 10.4.3 (64bit) Cisco Silicon	21	2
1.4	NXA-SFAN-35CFM-PE	-	Nexus Fan, 35CFM, port side exhaust airflow /w EEPROM	14	8
1.5	MEM-UPG-OPT-OUT	-	OPT OUT PID FOR MEM UPGRADE USE ONLY	14	2
1.6	NXA-PAC-500W-PE	-	Nexus NEBs AC 500W PSU - Port Side Exhaust	14	4
1.7	CAB-250V-10A-ID	-	AC Power Cord - 250V, 10A , India	7	4
1.8	NXK-ACC-KIT-1RU	-	Nexus 3K/9K Fixed Accessory Kit, 1RU front and rear removal	14	2
1.9	NXOS-SLP-INFO-9K	-	Info PID for Smart Licensing using Policy for N9K	21	2
1.10	QSFP-H40G-AOC1M	-	40GBASE Active Optical Cable, 1m	14	2
1.11	C1E1TN9300XF-3Y	Yes	Data Center Networking Essentials Term N9300 XF, 3Y	3	2
<b>2.0</b>	<b>N9K-C93180YC-FX3</b>	-	Nexus 9300 48p 1/10/25G, 6p 40/100G, MACsec, SyncE	14	2
2.1	MODE-NXOS	-	Mode selection between ACI and NXOS	21	2
2.2	NXK-AF-PE	-	Dummy PID for Airflow Selection Port-side Exhaust	14	2
2.3	NXOS-CS-10.4.3F	Yes	Nexus 9300, 9500, 9800 NX-OS SW 10.4.3 (64bit) Cisco Silicon	21	2
2.4	NXK-ACC-KIT-1RU	-	Nexus 3K/9K Fixed Accessory Kit, 1RU front and rear removal	14	2
2.5	NXA-FAN-35CFM-PE	-	Nexus Fan, 35CFM, port side exhaust airflow	14	8
2.6	NXK-MEM-16GB	-	Additional memory of 16GB for Nexus Switches	14	2
2.7	NXA-PAC-650W-PE	-	Nexus NEBs AC 650W PSU - Port Side Exhaust	14	4
2.8	CAB-250V-10A-ID	-	AC Power Cord - 250V, 10A , India	7	4
2.9	NXOS-SLP-INFO-9K	-	Info PID for Smart Licensing using Policy for N9K	21	2
2.10	SFP-10G-SR-S	-	10GBASE-SR SFP Module, Enterprise-Class	14	96
2.11	QSFP-H40G-AOC1M	-	40GBASE Active Optical Cable, 1m	14	4

2.12	C1E1TN9300XF-3Y	Yes	Data Center Networking Essentials Term N9300 XF, 3Y	3	2
<b>3.0</b>	<b>N9K-C92348GC-X</b>	-	Nexus 9200 with 48p 100M/1GT, 4p 10/25G & 2p 40/100G QSFP28	28	2
3.1	NXK-AF-PE	-	Dummy PID for Airflow Selection Port- side Exhaust	14	2
3.2	NXOS-CS-10.4.2F	Yes	Nexus 9300, 9500, 9800 NX-OS SW 10.4.2 (64bit) Cisco Silicon	21	2
3.3	NXK-ACC-KIT-1RU	-	Nexus 3K/9K Fixed Accessory Kit, 1RU front and rear removal	14	2
3.4	NXA-FAN-30CFM-F	-	Nexus Fan, 30CFM, port side exhaust airflow	7	6
3.5	N2200-PAC-400W	-	Nexus 400W AC Power Supply, Std airflow (port side exhaust)	7	4
3.6	CAB-250V-10A-ID	-	AC Power Cord - 250V, 10A , India	7	4
3.7	SFP-10G-SR	-	10GBASE-SR SFP Module	14	4
3.8	SFP-10G-AOC1M	-	10GBASE Active Optical SFP+ Cable, 1M	14	2
3.9	NXOS-SLP-INFO-9K	-	Info PID for Smart Licensing using Policy for N9K	21	2
3.10	C1E1TN9300GF-3Y	Yes	Data Center Networking Essentials Term N9300 GF, 3Y	3	2