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**Data Center Main Site (Colocation) တည်ဆောက်တပ်ဆင်ခြင်းအတွက်**  
**Hardware များ၊ License များ နှင့် Professional Services များ**

စဉ်	အမျိုးအစား/Specification	Qty
<b>DC Computing (Hardware)</b>		
1	Cisco HyperFlex HX240c M5 All Flash Node (Computing Server)	3
2	Riser 1 incl 3 PCIe slots (x8, x16, x8)	3
3	Riser 2B incl 3PCieslots(x8,x16,x8)+2NVMe(1cnctr) supports GPU	3
4	240GB SATA M.2	3
5	32GB Micro SD Card for UCS M5 servers	3
6	Cisco UCS 1600W AC Power Supply for Rack Server	6
7	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	3
8	Cisco UCS VIC 1457 Quad Port 10/25G SFP28 CNA MLOM	3
9	Cisco 12G Modular SAS HBA for up to 26 drives	3
10	3.8TB 2.5 inch Enterprise Value 6G SATA SSD	21
11	1.6TB 2.5in U.2 HGST SN200 NVMe High Perf. High Endurance	3
12	240GB 2.5 inch Enterprise Value 6G SATA SSD	3
13	32GB DDR4-2933-MHz RDIMM/2Rx4/1.2v	48
14	Intel 6234 3.3GHz/130W 8C/24.75MB DCP DDR4 2933 MHz	6
15	Factory Installed - VMware vSphere 6.7 Ent Plus SW+Lic 2-CPU	3
16	UCS Fabric Interconnect 6454	2
17	10GBASE-SR SFP Module, Enterprise-Class	4
18	UCS 6332/ 6454 Power Supply/100-240VAC	4
19	25GBASE-CU SFP28 Cable 3 Meter	12
20	40GBASE Active Optical Cable, 3m	4
<b>Backup Server (48TB Raw)</b>		
1	UCS C240 M5 12 LFF + 2 rear drives w/o CPU,mem,HD,PCIe,PS	1
2	32GB DDR4-2933-MHz RDIMM/2Rx4/1.2v	8
3	Riser 1 incl 3 PCIe slots (x8, x16, x8); slot 3 req CPU2	1
4	Riser 2B incl 3PCieslots(x8,x16,x8) supports GPU+rear NVMe	1
5	Cisco UCS VIC 1457 Quad Port 10/25G SFP28 CNA MLOM	1
6	960GB SATA M.2	2
7	Cisco UCS 1050W AC Power Supply for Rack Server	2
8	Ball Bearing Rail Kit for C220 & C240 M4 & M5 rack servers	1
9	Intel 4210 2.2GHz/85W 10C/13.75MB DDR4 2400MHz	2
10	Cisco 12G Modular SAS HBA (max 16 drives)	1
11	4 TB 12G SAS 7.2K RPM LFF HDD	12
12	3.2TB 2.5in U.2 HGST SN200 NVMe High Perf. High Endurance	1

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စဉ်	အမျိုးအစား/Specification	Qty
13	Windows Server 2019 Standard (16 Cores/2 VMs)	1
14	Windows Server 2019 Standard - Additional 2 Cores	2
15	Cisco ISR 4351 Sec bundle w/SEC license	2
16	4G to 8G DRAM Upgrade (4G+4G) for Cisco ISR 4330,4350	2
17	4G to 8G eUSB Flash Memory Upgrade for Cisco ISR 4300	2
18	2 Nexus 93180YC-EX with 8 QSFP-40G-SR-BD	1
19	25GBASE-CU SFP28 Cable 3 Meter	2
20	Catalyst 9200L 24-port data, 4 x 1G, Network Essentials	2
21	Cisco Catalyst 9200L Stack Module	2
22	Cisco Firepower 2110 NGFW Appliance, 1U	2
23	Cisco Firepower 2140 NGFW Appliance, 1U, 1 x NetMod Bay	2
24	10GBASE-LRM SFP Module	8
25	1000BASE-T SFP transceiver module for Category 5 copper wire	16
<b>Licenses</b>		
1	SNTC 8X5XNBD Cisco HyperFlex HX240c M5 All Flash Node	3
2	SWSS UPGRADES Factory Installed - VMware vSphere 6.7 En	3
3	SNTC-8X5XNBD UCS Fabric Interconnect 6454	2
4	ISV 24X7 VMware vCenter 6 Server Foundation (4 Host), 3 yr s	1
5	SNTC 8X5XNBD UCS C240 M5 12 LFF	1
6	ISV 24X7 Windows Server 2019	1
7	ISV 24X7 Windows Server 2019	2
8	SNTC-8X5XNBD Cisco ISR 4351 Sec bundle w/SEC license	2
9	3Y RMA ONLY 8X5XNBD Meraki MX450 Cloud Managed Security Appl	2
10	SNTC-8X5XNBD Nexus 93180YC-EX bun	1
11	SNTC-8X5XNBD Nexus 93180YC-EX bun	1
12	SWSS UPGRADES LAN Enterprise License for Nexus 9300 Pl	1
13	SWSS UPGRADES LAN Enterprise License for Nexus 9300 Pl	1
14	SNTC-8X5XNBD Catalyst 9200L 24-port data, 4 x 1G, Net	2
15	SNTC-8X5XNBD Cisco Firepower 2110 NGFW Appliance, 1U	2
16	SWSS UPGRADES Cisco AnyConnect 1500 User Plus Perpetual Lice	1
17	SNTC-8X5XNBD Cisco Firepower 2140 NGFW Appliance, 1U,	2
18	SWSS UPGRADES Cisco Firepower Management Center, (VMWa	1
19	SNTC-8X5XNBD Small Secure Network Server for ISE Appl	1
20	SWSS UPGRADES Prime Infrastructure 3.7 Software	1

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21	SWSS UPGRADES Cisco Ent MGMT PI 3.x LF, AS APIC-EM	2
22	SWSS UPGRADES Cisco Ent MGMT: PI 3.x LF,AS, 1 Cat 9200	2
23	SWSS UPGRADES Cisco Ent MGMT PI 3.x Platform Base Lic	1
24	VMware vCenter Server 6 Foundation (4 Host), 3 yr supp reqd	1
25	LAN Enterprise License for Nexus 9300 Platform	2
26	Cisco Firepower Management Center, (VMWare) for 10 devices	1
27	Small Secure Network Server for ISE Applications	1
28	Cisco ISE Base License - Sessions 1000 to 2499	2000
29	Cisco ISE Device Admin Node License	1
30	Cisco Ent MGMT: PI 3.x Platform Base Lic	1
31	HyperFlex Data Platform Standard Edition 3 Yr Subscription	3
32	Cisco Intersight SaaS - Essentials	3
33	C9200L Cisco DNA Essentials, 24-port, 3 Year Term license	2
34	Cisco FPR2110 Threat Defense Threat and Malware 3Y Subs	2
35	Cisco FPR2140 Threat Defense Threat Protection 3Y Subs	2
36	CVLT Backup & Recovery. Virtual. Per Socket.	6
37	Backup & Recovery Maint. Virtual. Per Socket per month.	216
38	Cisco AnyConnect 1500 User Plus Perpetual License	1
39	Prime Infrastructure 3.7 Software	1
40	Cisco Ent MGMT: PI 3.x LF, AS , 1 ISR4K	2
41	Cisco Ent MGMT: PI 3.x LF,AS, 1 Cat 9200 Switch	2
<b>Other Accessories</b>		
1	Rack 42 U (Full Rack)	2
2	Online UPS (KVA အားလိုအပ်မည့် Power Consumption အရ တွက်၍ထည့်သွင်းစဉ်းစားရန် )	2
3	Networking, Wiring and Cabling Equipment(အပြည့်အဝတာဝန်ယူတပ်ဆင်ပေးရပါမည်။)	1 Lot
<b>Professional Services</b>		
1	Professional Services (Installation, configuration, Implementation, Training)	1 Lot
2	Maintenance and Operation (Yearly)	1 Lot