

**STATE OF MICHIGAN**  
**DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET** February 15, 2011  
**PROCUREMENT & REAL ESTATE SERVICES ADMINISTRATION**  
P.O. BOX 30026, LANSING, MI 48909  
OR  
530 W. ALLEGAN, LANSING, MI 48933

**CHANGE NOTICE NO. 10**  
**TO**  
**CONTRACT NO. 071B6200168**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF CONTRACTOR / VENDOR <b>CLIENT NETWORK SERVICES, INC. (CNSI)</b> 702 King Farm Boulevard, 2 <sup>nd</sup> Floor Rockville, MD 20850  Email: <a href="mailto:chatterjee@cns-inc.com">chatterjee@cns-inc.com</a>	VENDOR TELEPHONE <b>(301) 634-4600</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA Steve Motz Tel: <b>(517) 241-3215</b>
Contract Compliance Inspector: Jay Slaughter <b>Medicaid Services Administration</b>	
CONTRACT PERIOD: From: <b>03/14/2006</b>	To: <b>12/31/2012</b>
TERMS: Enclosed	SHIPMENT <b>N/A</b>
F.O.B. <b>N/A</b>	SHIPPED FROM <b>N/A</b>
MINIMUM DELIVERY REQUIREMENTS: <b>N/A</b>	
MISCELLANEOUS INFORMATION:	

**NATURE OF CHANGE(S):**

Effective immediately this contract is hereby **INCREASED** by \$7,699,021.00. Refer to the attached CNSI proposal.

In this change notice the vendor may process with the purchase of the production and staging hardware and software licenses; however, the vendor must receive prior approval from the MDCH Contract Administrator to proceed with the purchase of the testing hardware and software licenses and these purchases may not occur until after 10/1/2011.

All other terms, conditions, specifications and pricing remain unchanged.

**AUTHORITY/REASON:**

Per agency, DTMB, and per the approval of the 2/15/11 State Administrative Board.

**INCREASE: \$7,699,021.00**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$137,655,786.00**

**CNSI Proposal Prepared for: MI**



15800 Gaither Drive, Gaitt  
Ph

Prepared By: Jay Majmuda  
Email: jay.majmudar@cnsi-inc.com

Prepared on: 1/20/

Quotation #: Prod-

Terms are NET 30  
(subject to approval)

\*\*\* This is a Confidential Document \*\*\*  
Quote good for 30 Days

(5) M5000's

Item	Qty	Part Number	Description	Price
A	5	SE5000-FAM-SUN-Z	SUN SE M5000 BASE CLASS	0
B	5	SEFASY13Z	FDS ONLY - SUN SPARC ENTERPRISE M5000 SERVER: BASE (FOR FACTORY INSTALLATION)	\$ 15,000.00
C	5	SEFY61P	FDS ONLY - I/O UNIT WITH 4 PCIE SLOTS AND 1 PCI-X SLOT	\$ 3,200.00
D	20	SELY1D1Z	FDS ONLY - TWO SPARC64 VII+ 4-CORE 2.66 GHZ PROCESSORS.	\$ 24,336.00
E	20	SELY2B2P	FDS ONLY - EIGHT 2 GB DDR2 DIMMS	\$ 6,400.00
F	20	SELY9UF1P	FDS ONLY - MEMORY OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -
G	5	SELY9TF1P	FDS ONLY - DAT OPTION FILLER PANEL (FOR FACTORY INSTALLATION.	\$ -
H	5	12000024	M4000/5000 DOMAIN MODEL??	\$ -
I	10	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET.	\$ 551.20
J	5	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70

<b>K</b>	10	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25
<b>L</b>	5	12000024	M4000/5000 DOMAIN MODEL??	\$ -
<b>M</b>	10	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET.	\$ 551.20
<b>N</b>	5	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70
<b>O</b>	10	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25
<b>P</b>	20	SELY9P51Z	FDS ONLY - POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG-CONNECTOR, 3.0 METERS, IEC60320-2-2 SHEET E (C14) PLUG, IEC60320-C19 CONNECTOR, 13 A (FOR FACTORY INSTALLATION)	\$ 27.20
<b>Q</b>	5	B59411	HARDWARE FREIGHT FEE	\$ 842.22
				<b>Total</b>

**(1) M5000**

<b>Item</b>	<b>Qty</b>	<b>Part Number</b>	<b>Description</b>	<b>Price</b>
<b>A</b>	1	SE5000-FAM-SUN-Z	SUN SE M5000 BASE CLASS	\$ -
<b>B</b>	1	SEFASY13Z	FDS ONLY - SUN SPARC ENTERPRISE M5000 SERVER: BASE (FOR FACTORY INSTALLATION)	\$ 15,000.00
<b>C</b>	1	SEFY61P	FDS ONLY - I/O UNIT WITH 4 PCIE SLOTS AND 1 PCI-X SLOT.	\$ 3,200.00
<b>D</b>	4	SELY1D1Z	FDS ONLY - TWO SPARC64 VII+ 4-CORE 2.66 GHZ PROCESSORS.	\$ 24,336.00
<b>E</b>	4	SELY2B2P	FDS ONLY - EIGHT 2 GB DDR2 DIMMS.	\$ 6,400.00

F	4	SELY9UF1P	FDS ONLY – MEMORY OPTION FILLER PANEL (FOR FACTORY INSTALLATION).	\$ -
G	1	SELY9TF1P	FDS ONLY – DAT OPTION FILLER PANEL (FOR FACTORY INSTALLATION).	\$ -
H	1	12000024	M4000/5000 DOMAIN MODEL??	\$ -
I	2	SELY3E11P	FDS ONLY – 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET.	\$ 551.20
J	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70
K	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25
L	1	SG-PCIE1FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00
M	1	12000024	M4000/5000 DOMAIN MODEL??	\$ -
N	2	SELY3E11P	FDS ONLY – 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET.	\$ 551.20
O	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE.	\$ 489.70
P	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25
Q	1	SG-PCIE1FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00
R	4	SELY9P51Z	FDS ONLY – POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG-CONNECTOR, 3.0 METERS, IEC60320-2-2 SHEET E (C14) PLUG, IEC60320-C19 CONNECTOR, 13 A (FOR FACTORY INSTALLATION)	\$ 27.20
S	1	B59411	HARDWARE FREIGHT FEE	\$ 842.70
				<b>Total</b>

## M9000

Item	Qty	Part Number	Description	Price
A	1	SE9000-32FAM-SUN-Z	SUN SE_M9000-32 FAM-Z	\$ -
B	1	SEHASY22Z	FDS ONLY-SUN SPARC ENTERPRISE M9000 SERVER: BASE 1 FRAME CABINET WITH 3-PHASE DELTA AC POWER FOR UP TO 32 SPARC64 VII PROCESSORS ON 8 SYSTEM BOARDS WITH 2 TB MEMORY (FOR FACTORY INSTALLATION)	\$ 245,000.00
C	1	12000009	CMU?	\$ -
D	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4 -CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00
E	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5" SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS -5.	\$ 12,600.00
F	1	12000009	CMU?	\$ -
G	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4 -CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00
H	24	CLU19-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL	\$ 770.00
I	1	12000009	CMU?	\$ -
J	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4 -CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00
K	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5" SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS -5.	\$ 12,600.00
L	1	12000009	CMU?	\$ -
M	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4 -CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00

N	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00
O	24	CLU19-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL	\$ 770.00
P	1	12000009	CMU?	\$ -
Q	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4 -CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00
R	1	12000009	CMU?	\$ -
S	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4 -CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00
T	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00
U	1	12000061	M8000/9000 DOMAIN??	\$ -
V	4	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5" SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS -6 COMPLIANT.	\$ 833.00
W	1	SOLZS-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE -INSTALL (FOR INTEGRATION).	\$ -
X	2	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70
Y	2	4237A-N	SUN NETWORKING - (QFALCON) IO MODULE, SUN QUAD DATA RATE (QDR) INFINIBAND-HOST CHANNEL ADAPTER PCI-EXPRESS GEN 2 LOW PROFILE. FOR FACTORY INTEGRATION	\$ 1,904.85
Z	1	SG-PCIE1FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00
A1	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25
A2	2	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS -5.	\$ 1,396.50
A3	1	12000061	M8000/9000 DOMAIN??	\$ -

<b>AV</b>				
	4	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5" SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS -6 COMPLIANT.	\$ 833.00
<b>A5</b>				
	1	SOLZS-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE -INSTALL (FOR INTEGRATION).	\$ -
<b>A6</b>				
	2	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70
<b>A7</b>				
	2	4237A-N	SUN NETWORKING - (QFALCON) 10 MODULE, SUN QUAD DATA RATE (QDR) INFINIBAND-HOST CHANNEL ADAPTER PCI-EXPRESS GEN 2 LOW PROFILE. FOR FACTORY INTEGRATION	\$ 1,904.85
<b>A8</b>				
	1	SG-PCIE1FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00
<b>A9</b>				
	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25
<b>A10</b>				
	2	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS -5.	\$ 1,396.50
<b>A11</b>				
	1	B59411	HARDWARE FREIGHT FEE.	\$ 2,914.71
				<b>Total</b>

<b>(4) 96GB Flash PCIe Cards</b>				
<b>Item</b>	<b>Qty</b>	<b>Part Number</b>	<b>Description</b>	<b>Price</b>
<b>A</b>	4	XTA-FAS-S3IE96GB-N	96GB SOLID STATE FLASH ACCELERATOR PCIE CARD WITH 2 X 4 -WIDE SAS-1 PORTS FOR INTERNAL DISK DRIVES, 4 X 24GB ENTERPRISE - CLASS SLC FLASH MODULES, INTEGRATED SUPER CAP POWER BACKUP, LOW-PROFILE, ROHS-6 COMPLIANT.	\$ 3,521.25
<b>B</b>	4	B59411	HARDWARE FREIGHT FEE.	\$ 1.56
				<b>Total</b>

**(2) Infiniband Switches**

Item	Qty	Part Number	Description	Price
A	2	12000436	SUN DATACENTER INFINIBAND SWITCH 36	0
B	2	X2821A-Z-N	SUN DATACENTER SWITCH IB-36 IS A 1RU 36 PORT MANAGED QDR INFINIBAND SWITCH. THE SWITCH UTILIZES STANDARD QSFP CONNECTORS. COMES WITH REDUNDANT POWER SUPPLIES.	\$ 16,796.00
C	2	B59411	HARDWARE FREIGHT FEE.	\$ 300.32
D	4	X311L-N	LOCALIZED POWER CORD KIT NORTH AMERICAN/ASIAN,ROHS -6 COMPLIANT.	\$ 10.40
E	4	B59411	HARDWARE FREIGHT FEE.	\$ 0.72
F	8	X2121A-5M-N	QSFP TO QSFP PASSIVE COPPER CABLE: 5 METERS.	\$ 240.00
G	8	B59411	HARDWARE FREIGHT FEE.	\$ 2.72
				<b>Total</b>

**(4) X4170M2s w/ HBAs**

Item	Qty	Part Number	Description	Price
A	4	X4170M2	SUN FIRE X4170 SERVER M2 ATO MODEL	\$ -
B	4	5932A	SUN 760W AC HE GOLD POWER SUPPLY FOR SUN X64 SERVERS. FOR FACTORY INTEGERATION ONLY. ROHS-6.	\$ 206.67
C	4	6325A-N	TOOL-LESS SLIDE RAIL KIT FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450 SERVER. ONLY FITS IN SUN RACK 938, SUN RACK 1038, SUN RACK 1042, OR RACKS THAT HAVE FRONT TO REAR RAIL SPACING BETWEEN 610MM AND 915MM (ABOUT 24" (CALL FOR FULL DESCR)	\$ 124.50

	4	6324A-N	CABLE MANAGEMENT ARM FOR SUN FIRE X4150/X4140/X4170/X4240/X4270/X4440 /X4450 SERVERS. ONLY FITS IN SUN RACK 900-38, SUN RACK 1000-38, & SUN RACK 1000-42. ATTACHES TO RACK MOUNT KIT, NOT RACK. MOST 3RD PARTY EIA-310-D COMPLIANT R(CALL FOR FULL DESCR)	\$ 78.85
D	24	6331A-N	DRIVE BAY FILLER PANEL FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450/SUN BLADE X6270 X64 SERVERS. ROHS -6. XATO.	\$ -
E	56	5879A-N	SUN FIRE X4170, SUN FIRE X4270, AND SUN NETRA X4270 SERVERS, AND SUN BLADE X6275 AND SUN BLADE X6270 SERVER MODULES: 1 MEMORY FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -
F	4	SG-SAS6-R-INT-Z	SUN STORAGE 6 GB SAS PCIE RAID HBA, INTERNAL: 8 PORT AND 512 MB MEMORY (FOR FACTORY INSTALLATION)	\$ 809.25
G	8	5924A	INTEL XEON E5620, 4C, 2.40 GHZ, 80W, 12MB CACHE, 5.86 GT/S QPI, INTEL TURBO BOOST TECHNOLOGY, INTEL HT TECHNOLOGY PROCESSOR WITHOUT HEATSINK FOR SUN FIRE X4170 M2 & SUN FIRE X4270 M2 SERVERS. FOR FACTORY INTEGRATION ONLY. ROHS -6.	\$ 497.17
H	24	4910A	FDS ONLY-SUN FIRE X4270 M2 AND SUN FIRE X4170 M2 SERVERS: ONE 4 GB 1,333 MHZ REGISTERED DDR3 LOW VOLTAGE DIMM (FOR FACTORY INSTALLATION)	\$ 211.65
I	8	RA-SS2CF-300G10K-N	300GB 10K RPM 2.5" SAS HARD DISK DRIVE WITH MARLIN BRACKET. FACTORY INTEGRATED. ROHS -6	\$ 516.75
J	4	8325A-N	DVD+/-RW SATA-BASED DRIVE FOR SUN FIRE X4170/X4270 X64 SERVERS. ROHS-5. XATO.	\$ 120.35
K	8	SG-PCIE1FC-EM8-Z	STORAGETEK 8 GB FIBRE CHANNEL PCIE HBA SINGLE PORT EMULEX (FOR FACTORY INSTALLATION)	\$ 936.75
L	8	333A-25-15-NEMA	POWER CORD, NORTH AMERICA/ASIA, 2.5 METERS, NEMA 5 -15P PLUG, IEC60320-C13 CONNECTOR, 15 A, 125 VAC RATED.	\$ 10.40
M	4	X4170M2-H1-AA	SUN FIRE X4170 M2 SERVER: BASE CHASSIS PACKAGE FOR SERVER INCLUDING MOTHERBOARD, NO DVD, 1 POWER SUPPLY UNIT, NO POWER CABLES, REDUNDANT FANS AND SERVICE PROCESSOR FOR FACTORY INTEGRATION. ROHS-6.	\$ 2,240.17
N	8	5898A-N	SUN FIRE X4170 AND SUN NETRA X4270 SERVERS: 1 CPU HEAT SINK (FOR FACTORY INSTALLATION)	\$ -
O	4	B59411	HARDWARE FREIGHT FEE.	\$ 101.95
				<b>Total</b>

Professional Services

Item	Qty	Part Number	Description	Price
A	1	Oracle I-Runbook	Oracle i-Runbook creates a knowledge power-base for your organization, allowing the entire IT team to find the vital information they need to manage the data center using the latest Oracle preferred practice advice from a central source — accessed within seconds via a simple Web interface.	\$ 12,500.00
B	1	Oracle System Application Readiness Service (ARS)	Stay ahead of the competition with flexible, affordable guidance that gets your new server or storage systems optimized for application installation. Oracle experts help keep your business operations running smoothly from start to finish, so you save time and money by implementing your new technology right the first time. The following assumptions have been made: Maximum Domain Configuration service package numbers :- High Level = 5 domains, Mid Level = 2 domains and a Volume Level = 1 domain Standard Operating Environment Requirements up to :- High Level = 5 SOEs, Mid Level = 2 SOEs and a Volume Level = 1 SOEs Connected storage can not be in use by any other system. Numerous volume management objects and file systems may be configured utilizing	\$ 69,300.00
C	1	Oracle Cluster Readiness Service	Oracle Cluster Readiness Service enables you to purchase just the right services for your unique environment. From implementation of application data services, comprehensive testing, and verification to transferring knowledge through reviews and documentation, our service experts guide you through a documented process for a successful customized cluster implementation. Service options include; - Node configuration, - Resource group configuration, - Standard data service, - Geographic cluster configuration, - Custom data service, - Storage architecture The following assumptions have been made: The service will be performed at one building location only, additional buildings and site locations will require change control and additional costs. Storage Architecture for Solaris Cluster environment for up to nine LUNs and no more than one TB of raw disk space	\$ 25,750.00
<b>Total</b>				

**Grand Total**

**CNSI Proposal Prepared for: MI**



15800 Gaither Drive, Gaithersburg, MD 20878  
 Phone: 301-994-2000  
 Fax 301-994-2001

Prepared By: Jay Majmuda  
 Email: jay.majmudar@cnsi-inc.com

Prepared on: 1/20/2010

Quotation #: Stage 2

Terms are NET 30  
 (subject to approval)

\*\*\* This is a Confidential Document \*\*\*  
 Quote good for 30 Days

<b>(5) M5000's</b>					
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N	5	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$
O	10	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$
P	20	SELY9P51Z	FDS ONLY - POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG-CONNECTOR, 3.0 METERS, IEC60320-2-2 SHEET E (C14) PLUG, IEC60320-C19 CONNECTOR, 13 A (FOR FACTORY INSTALLATION)	\$ 27.20	\$
Q	5	B59411	HARDWARE FREIGHT FEE	\$ 842.22	\$
				<b>Total</b>	\$

<b>(1) M5000</b>					
Item	Qty	Part Number	Description	Price	Exten
A	1	SE5000-FAM-SUN-Z	SUN SE M5000 BASE CLASS	\$ -	\$
B	1	SEFASY13Z	FDS ONLY - SUN SPARC ENTERPRISE M5000 SERVER: BASE (FOR FACTORY INSTALLATION)	\$ 15,000.00	\$
C	1	SEFY61P	FDS ONLY - I/O UNIT WITH 4 PCIE SLOTS AND 1 PCI-X SLOT.	\$ 3,200.00	\$
D	4	SELY1D1Z	FDS ONLY - TWO SPARC64 VII+ 4-CORE 2.66 GHZ PROCESSORS.	\$ 24,336.00	\$
E	4	SELY2B2P	FDS ONLY - EIGHT 2 GB DDR2 DIMMS.	\$ 6,400.00	\$

F	4	SELY9UF1P	FDS ONLY – MEMORY OPTION FILLER PANEL (FOR FACTORY INSTALLATION).	\$ -	\$
G	1	SELY9TF1P	FDS ONLY – DAT OPTION FILLER PANEL (FOR FACTORY INSTALLATION).	\$ -	\$
H	1	12000024	M4000/5000 DOMAIN MODEL??	\$ -	\$
I	2	SELY3E11P	FDS ONLY – 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET.	\$ 551.20	\$
J	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$
K	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$
L	1	SG-PCIE1FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00	\$
M	1	12000024	M4000/5000 DOMAIN MODEL??	\$ -	\$
N	2	SELY3E11P	FDS ONLY – 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET.	\$ 551.20	\$
O	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE.	\$ 489.70	\$
P	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$
Q	1	SG-PCIE1FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00	\$
R	4	SELY9P51Z	FDS ONLY – POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG-CONNECTOR, 3.0 METERS, IEC60320-2-2 SHEET E (C14) PLUG, IEC60320-C19 CONNECTOR, 13 A (FOR FACTORY INSTALLATION)	\$ 27.20	\$
S	1	B59411	HARDWARE FREIGHT FEE	\$ 842.70	\$
				<b>Total</b>	\$

M9000					
Item	Qty	Part Number	Description	Price	Exten
A	1	SE9000-32FAM-SUN-Z	SUN SE_M9000-32 FAM-Z	\$ -	\$
B	1	SEHAS222	FDS ONLY-SUN SPARC ENTERPRISE M9000 SERVER: BASE 1 FRAME CABINET WITH 3-PHASE DELTA AC POWER FOR UP TO 32 SPARC64 VII PROCESSORS ON 8 SYSTEM BOARDS WITH 2 TB MEMORY (FOR FACTORY INSTALLATION)	\$ 245,000.00	\$
C	1	12000009	CMU?	\$ -	\$

D	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00	\$
E	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5" SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00	\$
F	1	12000009	CMU?	\$ -	\$
G	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00	\$
H	24	CLU19-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL	\$ 770.00	\$
I	1	12000009	CMU?	\$ -	\$
J	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.	\$ 226,520.00	\$
K	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5" SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00	\$

L	1	12000009	CMU?		\$ -	\$
M	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.		\$ 226,520.00	\$
N	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.		\$ 12,600.00	\$
O	24	CLU19-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL		\$ 770.00	\$
P	1	12000009	CMU?		\$ -	\$
Q	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.		\$ 226,520.00	\$
R	1	12000009	CMU?		\$ -	\$
S	1	SEMY4KC1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 2 GB DIMMS.		\$ 226,520.00	\$
T	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.		\$ 12,600.00	\$
U	1	12000061	M8000/9000 DOMAIN??		\$ -	\$
V	4	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5" SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-6 COMPLIANT.		\$ 833.00	\$
W	1	SOLZ5-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE-INSTALL (FOR INTEGRATION).		\$ -	\$
X	2	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE		\$ 489.70	\$
Y	2	4237A-N	SUN NETWORKING - (QFALCON) IO MODULE, SUN QUAD DATA RATE (QDR) INFINIBAND-HOST CHANNEL ADAPTER PCI-EXPRESS GEN 2 LOW PROFILE. FOR FACTORY INTEGRATION		\$ 1,904.85	\$
Z	1	5G-PCIE1FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT		\$ 825.00	\$
A1	2	5G-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT		\$ 1,496.25	\$
A2	2	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.		\$ 1,396.50	\$
A3	1	12000061	M8000/9000 DOMAIN??		\$ -	\$
AV	4	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5" SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-6 COMPLIANT.		\$ 833.00	\$
A5	1	SOLZ5-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE-INSTALL (FOR INTEGRATION).		\$ -	\$
A6	2	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE		\$ 489.70	\$

A7	2	4237A-N	SUN NETWORKING - (QFALCON) IO MODULE, SUN QUAD DATA RATE (QDR) INFINIBAND-HOST CHANNEL ADAPTER PCI-EXPRESS GEN 2 LOW PROFILE. FOR FACTORY INTEGRATION	\$ 1,904.85	\$
A8	1	SG-PCIE1FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, SINGLE PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 825.00	\$
A9	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$
A10	2	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 1,396.50	\$
A11	1	B59411	HARDWARE FREIGHT FEE.	\$ 2,914.71	\$
				<b>Total</b>	<b>\$ 1,7</b>

**(4) 96GB Flash PCIe Cards**

Item	Qty	Part Number	Description	Price	Extens
A	4	XTA-FAS-S3IE96GB-N	96GB SOLID STATE FLASH ACCELERATOR PCIe CARD WITH 2 X 4-WIDE SAS-1 PORTS FOR INTERNAL DISK DRIVES, 4 X 24GB ENTERPRISE- CLASS SLC FLASH MODULES, INTEGRATED SUPER CAP POWER BACKUP, LOW-PROFILE, ROHS-6 COMPLIANT.	\$ 3,521.25	\$
B	4	B59411	HARDWARE FREIGHT FEE.	\$ 1.56	\$
				<b>Total</b>	<b>\$</b>

**(2) Infiniband Switches**

Item	Qty	Part Number	Description	Price	Extens
A	2	12000436	SUN DATACENTER INFINIBAND SWITCH 36	0	\$
B	2	X2821A-Z-N	SUN DATACENTER SWITCH IB-36 IS A 1RU 36 PORT MANAGED QDR INFINIBAND SWITCH. THE SWITCH UTILIZES STANDARD QSFP CONNECTORS. COMES WITH REDUNDANT POWER SUPPLIES.	\$ 16,796.00	\$
C	2	B59411	HARDWARE FREIGHT FEE.	\$ 300.32	\$
D	4	X311L-N	LOCALIZED POWER CORD KIT NORTH AMERICAN/ASIAN,ROHS-6 COMPLIANT.	\$ 10.40	\$
E	4	B59411	HARDWARE FREIGHT FEE.	\$ 0.72	\$
F	8	X2121A-5M-N	QSFP TO QSFP PASSIVE COPPER CABLE: 5 METERS.	\$ 240.00	\$

G	8	B59411	HARDWARE FREIGHT FEE.	\$ 2.72	\$
				<b>Total</b>	\$

<b>(4) X4170M2s w/ HBAs</b>					
Item	Qty	Part Number	Description	Price	Exten
A	4	X4170M2	SUN FIRE X4170 SERVER M2 ATO MODEL	\$ -	\$
B	4	5932A	SUN 760W AC HE GOLD POWER SUPPLY FOR SUN X64 SERVERS. FOR FACTORY INTEGERATION ONLY. ROHS-6.	\$ 206.67	\$
C	4	6325A-N	TOOL-LESS SLIDE RAIL KIT FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450 SERVER. ONLY FITS IN SUN RACK 938, SUN RACK 1038, SUN RACK 1042, OR RACKS THAT HAVE FRONT TO REAR RAIL SPACING BETWEEN 610MM AND 915MM (ABOUT 24" (CALL FOR FULL DESCR)	\$ 124.50	\$
	4	6324A-N	CABLE MANAGEMENT ARM FOR SUN FIRE X4150/X4140/X4170/X4240/X4270/X4440 /X4450 SERVERS. ONLY FITS IN SUN RACK 900-38, SUN RACK 1000-38, & SUN RACK 1000-42. ATTACHES TO RACK MOUNT KIT, NOT RACK. MOST 3RD PARTY EIA-310-D COMPLIANT R(CALL FOR FULL DESCR)	\$ 78.85	\$
D	24	6331A-N	DRIVE BAY FILLER PANEL FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450/SUN BLADE X6270 X64 SERVERS. ROHS-6. XATO.	\$ -	\$
E	56	5879A-N	SUN FIRE X4170, SUN FIRE X4270, AND SUN NETRA X4270 SERVERS, AND SUN BLADE X6275 AND SUN BLADE X6270 SERVER MODULES: 1 MEMORY FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$
F	4	5G-SAS6-R-INT-Z	SUN STORAGE 6 GB SAS PCIE RAID HBA, INTERNAL: 8 PORT AND 512 MB MEMORY (FOR FACTORY INSTALLATION)	\$ 809.25	\$
G	8	5924A	INTEL XEON E5620, 4C, 2.40 GHZ, 80W, 12MB CACHE, 5.86 GT/S QPI, INTEL TURBO BOOST TECHNOLOGY, INTEL HT TECHNOLOGY PROCESSOR WITHOUT HEATSINK FOR SUN FIRE X4170 M2 & SUN FIRE X4270 M2 SERVERS. FOR FACTORY INTEGRATION ONLY. ROHS-6.	\$ 497.17	\$
H	24	4910A	FDS ONLY--SUN FIRE X4270 M2 AND SUN FIRE X4170 M2 SERVERS: ONE 4 GB 1,333 MHZ REGISTERED DDR3 LOW VOLTAGE DIMM (FOR FACTORY INSTALLATION)	\$ 211.65	\$
I	8	RA-SS2CF-300G10K-N	300GB 10K RPM 2.5" SAS HARD DISK DRIVE WITH MARLIN BRACKET. FACTORY INTEGRATED. ROHS-6	\$ 516.75	\$
J	4	8325A-N	DVD+/-RW SATA-BASED DRIVE FOR SUN FIRE X4170/X4270 X64 SERVERS. ROHS-5. XATO.	\$ 120.35	\$
K	8	5G-PCIE1FC-EM8-Z	STORAGETEK 8 GB FIBRE CHANNEL PCIE HBA SINGLE PORT EMULEX (FOR FACTORY INSTALLATION)	\$ 936.75	\$
L	8	333A-25-15-NEMA	POWER CORD, NORTH AMERICA/ASIA, 2.5 METERS, NEMA 5-15P PLUG, IEC60320-C13 CONNECTOR, 15 A, 125 VAC RATED.	\$ 10.40	\$
M	4	X4170M2-H1-AA	SUN FIRE X4170 M2 SERVER: BASE CHASSIS PACKAGE FOR SERVER INCLUDING MOTHERBOARD, NO DVD, 1 POWER SUPPLY UNIT, NO POWER CABLES, REDUNDANT FANS AND SERVICE PROCESSOR FOR FACTORY INTEGRATION. ROHS-6.	\$ 2,240.17	\$
N	8	5898A-N	SUN FIRE X4170 AND SUN NETRA X4270 SERVERS: 1 CPU HEAT SINK (FOR FACTORY INSTALLATION)	\$ -	\$
O	4	B59411	HARDWARE FREIGHT FEE.	\$ 101.95	\$
				<b>Total</b>	\$

Professional Services

Item	Qty	Part Number	Description	Price	Exten
A	1	Oracle System Application Readiness Service (ARS)	Stay ahead of the competition with flexible, affordable guidance that gets your new server or storage systems optimized for application installation. Oracle experts help keep your business operations running smoothly from start to finish, so you save time and money by implementing your new technology right the first time. The following assumptions have been made: Maximum Domain Configuration service package numbers :- High Level = 5 domains, Mid Level = 2 domains and a Volume Level = 1 domain Standard Operating Environment Requirements up to :- High Level = 5 SOEs, Mid Level = 2 SOEs and a Volume Level = 1 SOEs Connected storage can not be in use by any other system. Numerous volume management objects and file systems may be configured utilizing	\$ 69,300.00	\$
B	1	Oracle Cluster Readiness Service	Oracle Cluster Readiness Service enables you to purchase just the right services for your unique environment. From implementation of application data services, comprehensive testing, and verification to transferring knowledge through reviews and documentation, our service experts guide you through a documented process for a successful customized cluster implementation. Service options include; - Node configuration, - Resource group configuration, - Standard data service, - Geographic cluster configuration, - Custom data service, - Storage architecture The following assumptions have been made: The service will be performed at one building location only, additional buildings and site locations will require change control and additional costs. Storage Architecture for Solaris Cluster environment for up to nine LUNs and no more than one TB of raw disk space	\$ 25,750.00	\$
<b>Total</b>					\$

**Grand Total** \$ 2,

**CNSI Proposal Prepared for: MI**



15800 Gaither Drive, Gait  
P

Prepared By: Jay Majmudar  
Email: jay.majmudar@cns-inc.com

Prepared on

Quotation #

Terms are NET 30  
(subject to approval)

**\*\*\* This is a Confidential Document \*\*\***  
Quote good for 30 Days

**(3) X4170M2s w/ HBAs**

Item	Qty	Part Number	Description	Price
A	3	X4170M2	SUN FIRE X4170 SERVER M2 ATO MODEL	\$ -
B	3	5932A	SUN 760W AC HE GOLD POWER SUPPLY FOR SUN X64 SERVERS. FOR FACTORY INTEGERATION ONLY. ROHS-6.	\$ 206.67
C	3	6325A-N	TOOL-LESS SLIDE RAIL KIT FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450 SERVER. ONLY FITS IN SUN RACK 938, SUN RACK 1038, SUN RACK 1042, OR RACKS THAT HAVE FRONT TO REAR RAIL SPACING BETWEEN 610MM AND 915MM (ABOUT 24' (CALL FOR FULL DESCR)	\$ 124.50

D	18	6331A-N	DRIVE BAY FILLER PANEL FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450/SUN BLADE X6270 X64 SERVERS. ROHS-6. XATO.	\$ -
E	42	5879A-N	SUN FIRE X4170, SUN FIRE X4270, AND SUN NETRA X4270 SERVERS, AND SUN BLADE X6275 AND SUN BLADE X6270 SERVER MODULES: 1 MEMORY FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -
F	3	SG-SAS6-R-INT-Z	SUN STORAGE 6 GB SAS PCIE RAID HBA, INTERNAL: 8 PORT AND 512 MB MEMORY (FOR FACTORY INSTALLATION)	\$ 809.25
G	6	5924A	INTEL XEON E5620, 4C, 2.40 GHZ, 80W, 12MB CACHE, 5.86 GT/S QPI, INTEL TURBO BOOST TECHNOLOGY, INTEL HT TECHNOLOGY PROCESSOR WITHOUT HEATSINK FOR SUN FIRE X4170 M2 & SUN FIRE X4270 M2 SERVERS. FOR FACTORY INTEGRATION ONLY. ROHS-6.	\$ 497.17
H	12	4910A	FDS ONLY-SUN FIRE X4270 M2 AND SUN FIRE X4170 M2 SERVERS: ONE 4 GB 1,333 MHZ REGISTERED DDR3 LOW VOLTAGE DIMM (FOR FACTORY INSTALLATION)	\$ 211.65
I	6	RA-SS2CF-300G10K-N	300GB 10K RPM 2.5" SAS HARD DISK DRIVE WITH MARLIN BRACKET. FACTORY INTEGRATED. ROHS-6	\$ 516.75
J	3	8325A-N	DVD+/-RW SATA-BASED DRIVE FOR SUN FIRE X4170/X4270 X64 SERVERS. ROHS-5. XATO.	\$ 120.35
K	6	SG-PCIE1FC-EM8-Z	STORAGETEK 8 GB FIBRE CHANNEL PCIE HBA SINGLE PORT EMULEX (FOR FACTORY INSTALLATION)	\$ 936.75

L	6	333A-25-15-NEMA	POWER CORD, NORTH AMERICA/ASIA, 2.5 METERS, NEMA 5-15P PLUG, IEC60320-C13 CONNECTOR, 15 A, 125 VAC RATED	\$ 10.40
M	3	X4170M2-H1-AA	SUN FIRE X4170 M2 SERVER: BASE CHASSIS PACKAGE FOR SERVER INCLUDING MOTHERBOARD, NO DVD, 1 POWER SUPPLY UNIT, NO POWER CABLES, REDUNDANT FANS AND SERVICE PROCESSOR FOR FACTORY INTEGRATION. ROHS-6.	\$ 2,240.17
N	6	5898A-N	SUN FIRE X4170 AND SUN NETRA X4270 SERVERS: 1 CPU HEAT SINK (FOR FACTORY INSTALLATION)	\$ -
O	3	B59411	HARDWARE FREIGHT FEE	\$ 101.95
				<b>Total</b>

(3) X4170M2s w/o HBAs

Item	Qty	Part Number	Description	Price
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A	3	X4170M2	SUN FIRE X4170 SERVER M2 ATO MODEL	\$ -
B	3	5932A	SUN 760W AC HE GOLD POWER SUPPLY FOR SUN X64 SERVERS. FOR FACTORY INTEGERATION ONLY. ROHS-6.	\$ 206.67
C	3	6325A-N	TOOL-LESS SLIDE RAIL KIT FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450 SERVER. ONLY FITS IN SUN RACK 938, SUN RACK 1038, SUN RACK 1042, OR RACKS THAT HAVE FRONT TO REAR RAIL SPACING BETWEEN 610MM AND 915MM (ABOUT 24' (CALL FOR FULL DESCR)	\$ 124.50
D	18	6331A-N	DRIVE BAY FILLER PANEL FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450/SUN BLADE X6270 X64 SERVERS. ROHS-6. XATO.	\$ -
E	42	5879A-N	SUN FIRE X4170, SUN FIRE X4270, AND SUN NETRA X4270 SERVERS, AND SUN BLADE X6275 AND SUN BLADE X6270 SERVER MODULES: 1 MEMORY FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -
F	3	SG-SAS6-R-INT-Z	SUN STORAGE 6 GB SAS PCIE RAID HBA, INTERNAL: 8 PORT AND 512 MB MEMORY (FOR FACTORY INSTALLATION)	\$ 809.25
G	6	5924A	INTEL XEON E5620, 4C, 2.40 GHZ, 80W, 12MB CACHE, 5.86 GT/S QPI, INTEL TURBO BOOST TECHNOLOGY, INTEL HT TECHNOLOGY PROCESSOR WITHOUT HEATSINK FOR SUN FIRE X4170 M2 & SUN FIRE X4270 M2 SERVERS. FOR FACTORY INTEGRATION ONLY. ROHS-6.	\$ 497.17
H	12	4910A	FDS ONLY-SUN FIRE X4270 M2 AND SUN FIRE X4170 M2 SERVERS: ONE 4 GB 1,333 MHZ REGISTERED DDR3 LOW VOLTAGE DIMM (FOR FACTORY INSTALLATION)	\$ 211.65
I	6	RA-SS2CF-300G10K-N	300GB 10K RPM 2.5" SAS HARD DISK DRIVE WITH MARLIN BRACKET. FACTORY INTEGRATED. ROHS-6	\$ 516.75
J	3	8325A-N	DVD+/-RW SATA-BASED DRIVE FOR SUN FIRE X4170/X4270 X64 SERVERS. ROHS-5. XATO.	\$ 120.35
K	6	333A-25-15-NEMA	POWER CORD, NORTH AMERICA/ASIA, 2.5 METERS, NEMA 5-15P PLUG, IEC60320-C13 CONNECTOR, 15 A, 125 VAC RATED	\$ 10.40
L	3	X4170M2-H1-AA	SUN FIRE X4170 M2 SERVER: BASE CHASSIS PACKAGE FOR SERVER INCLUDING MOTHERBOARD, NO DVD, 1 POWER SUPPLY UNIT, NO POWER CABLES, REDUNDANT FANS AND SERVICE PROCESSOR FOR FACTORY INTEGRATION. ROHS-6.	\$ 2,240.17
M	6	5898A-N	SUN FIRE X4170 AND SUN NETRA X4270 SERVERS: 1 CPU HEAT SINK (FOR FACTORY INSTALLATION)	\$ -
N	3	B59411	HARDWARE FREIGHT FEE	\$ 100.75
				<b>Total</b>

**Grand Total**



**CNSI Proposal Prepared for: MI**



15800 Gaither Drive, Gaithersburg, MD 20877  
 Phone: 301-944-2033  
 Fax 301-944-2022

Prepared By: Jay Majmuda  
 Email: jay.majmudar@cnsi-inc.com

Prepared on: 1/20/2011

Quotation #: Test-2 142010

Terms are NET 30  
 (subject to approval)

\*\*\* This is a Confidential Document \*\*\*  
 Quote good for 30 Days

System 1					
Item	Qty	Part Number	Description	Price	Extended Price
A	1	SEFASY13Z	FDS ONLY - SUN SPARC ENTERPRISE M5000 SERVER: BASE (FOR FACTORY INSTALLATION)	\$ 15,000.00	\$ 15,000.00
B	2	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET	\$ 551.20	\$ 1,102.40
C	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
D	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 489.70
E	1	SOLZ9-100C9A7M	SOLARIS 10 (LATEST RELEASE) DVD MEDIA KIT. MULTILINGUAL. NO HARDCOPY DOCUMENTATION, NO LICENSE.	\$ 30.00	\$ 30.00
F	2	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET	\$ 551.20	\$ 1,102.40
G	1	SEFY61P	FDS ONLY - I/O UNIT WITH 4 PCIE SLOTS AND 1 PCI-X SLOT	\$ 3,200.00	\$ 3,200.00
H	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
I	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 489.70
J	4	SELY1D1Z	FDS ONLY - TWO SPARC64 VII+ 4-CORE 2.66 GHZ PROCESSORS	\$ 24,336.00	\$ 97,344.00

K					
	4	SELY2B2P	FDS ONLY - EIGHT 2 GB DDR2 DIMMS	\$ 6,400.00	\$ 25,600.00
L					
	4	SELY9P31Z	FDS ONLY - POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG- CONNECTOR, 2.5 METERS, IEC60320-2-2 SHEET I (C20) PLUG, IEC60320-2-2 SHEET I (C20) PLUG, IEC60320-C19 CONNECTOR, 20 A (FOR FACTOINSTALLATION)	\$ 36.00	\$ 144.00
M					
	4	SELY9UF1P	FDS ONLY - MEMORY OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
N					
	1	SELY9TF1P	FDS ONLY - DAT OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
				<b>Total</b>	<b>\$ 150,487.20</b>

System 2					
Item	Qty	Part Number	Description	Price	Extended Price
A					
	1	SEFASY13Z	FDS ONLY - SUN SPARC ENTERPRISE M5000 SERVER: BASE (FOR FACTORY INSTALLATION)	\$ 15,000.00	\$ 15,000.00
B					
	2	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET	\$ 551.20	\$ 1,102.40
C					
	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
D					
	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 489.70
E					
	1	SOLZ9-100C9A7M	SOLARIS 10 (LATEST RELEASE) DVD MEDIA KIT. MULTILINGUAL. NO HARDCOPY DOCUMENTATION, NO LICENSE.	\$ 30.00	\$ 30.00
F					
	2	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET	\$ 551.20	\$ 1,102.40
G					
	1	SEFY61P	FDS ONLY - I/O UNIT WITH 4 PCIE SLOTS AND 1 PCI-X SLOT	\$ 3,200.00	\$ 3,200.00
H					
	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50

I	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 489.70
J	4	SELY1D1Z	FDS ONLY - TWO SPARC64 VII+ 4-CORE 2.66 GHZ PROCESSORS	\$ 24,336.00	\$ 97,344.00
K	4	SELY2B2P	FDS ONLY - EIGHT 2 GB DDR2 DIMMS	\$ 6,400.00	\$ 25,600.00
L	4	SELY9P31Z	FDS ONLY - POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG- CONNECTOR, 2.5 METERS, IEC60320-2-2 SHEET I (C20) PLUG, IEC60320-2-2 SHEET I (C20) PLUG, IEC60320-C19 CONNECTOR, 20 A (FOR FACTOINSTALLATION)	\$ 36.00	\$ 144.00
M	4	SELY9UF1P	FDS ONLY - MEMORY OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
N	1	SELY9TF1P	FDS ONLY - DAT OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
				<b>Total</b>	<b>\$ 150,487.20</b>

System 3					
Item	Qty	Part Number	Description	Price	Extended Price
A	1	SEFASY13Z	FDS ONLY - SUN SPARC ENTERPRISE M5000 SERVER: BASE (FOR FACTORY INSTALLATION)	\$ 15,000.00	\$ 15,000.00
B	2	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET	\$ 551.20	\$ 1,102.40
C	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
D	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 489.70
E	1	SOLZ9-100C9A7M	SOLARIS 10 (LATEST RELEASE) DVD MEDIA KIT. MULTILINGUAL. NO HARDCOPY DOCUMENTATION, NO LICENSE.	\$ 30.00	\$ 30.00
F	2	SELY3E11P	FDS ONLY - 300 GB 10000 RPM 2.5-INCH SAS HDD WITH BRACKET	\$ 551.20	\$ 1,102.40

<b>G</b>	1	SEFY61P	FDS ONLY - I/O UNIT WITH 4 PCIE SLOTS AND 1 PCI-X SLOT	\$ 3,200.00	\$ 3,200.00
<b>H</b>	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
<b>I</b>	1	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 489.70
<b>J</b>	4	SELY1D1Z	FDS ONLY - TWO SPARC64 VII+ 4-CORE 2.66 GHZ PROCESSORS	\$ 24,336.00	\$ 97,344.00
<b>K</b>	4	SELY2B2P	FDS ONLY - EIGHT 2 GB DDR2 DIMMS	\$ 6,400.00	\$ 25,600.00
<b>L</b>	4	SELY9P31Z	FDS ONLY - POWER CORD: GLOBAL JUMPER, STRAIGHT PLUG- CONNECTOR, 2.5 METERS, IEC60320-2-2 SHEET I (C20) PLUG, IEC60320-2-2 SHEET I (C20) PLUG, IEC60320-C19 CONNECTOR, 20 A (FOR FACTOINSTALLATION)	\$ 36.00	\$ 144.00
<b>M</b>	4	SELY9UF1P	FDS ONLY - MEMORY OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
<b>N</b>	1	SELY9TF1P	FDS ONLY - DAT OPTION FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
				<b>Total</b>	<b>\$ 150,487.20</b>

## System 4

Item	Qty	Part Number	Description	Price	Extended Price
A	3	X4170M2-H1-AA	SUN FIRE X4170 M2 SERVER: BASE CHASSIS PACKAGE FOR SERVER INCLUDING MOTHERBOARD, NO DVD, 1 POWER SUPPLY UNIT, NO POWER CABLES, REDUNDANT FANS AND SERVICE PROCESSOR FOR FACTORY INTEGRATION. ROHS-6.	\$ 2,240.17	\$ 6,720.51
B	6	333V-20-15-C14	POWER CORD, JUMPER, STRAIGHT PLUG-CONNECTOR, 2 METERS, IEC60320-2-2 SHEET E (C14) PLUG, IEC60320-1-C13 CONNECTOR, 15 A	\$ 20.00	\$ 120.00
C	3	8325A-N	DVD+/-RW SATA-BASED DRIVE FOR SUN FIRE X4170/X4270 X64 SERVERS. ROHS-5. XATO.	\$ 120.35	\$ 361.05
D	6	RA-SS2CF-300G10K-N	300GB 10K RPM 2.5" SAS HARD DISK DRIVE WITH MARLIN BRACKET. FACTORY INTEGRATED. ROHS-6	\$ 516.75	\$ 3,100.50
E	3	SG-SAS6-R-INT-Z	SUN STORAGE 6 GB SAS PCIE RAID HBA, INTERNAL: 8 PORT AND 512 MB MEMORY (FOR FACTORY INSTALLATION)	\$ 809.25	\$ 2,427.75
F	6	5924A	INTEL XEON E5620, 4C, 2.40 GHZ, 80W, 12MB CACHE, 5.86 GT/S QPI, INTEL TURBO BOOST TECHNOLOGY, INTEL HT TECHNOLOGY PROCESSOR WITHOUT HEATSINK FOR SUN FIRE X4170 M2 & SUN FIRE X4270 M2 SERVERS. FOR FACTORY INTEGRATION ONLY. ROHS-6.	\$ 497.17	\$ 2,983.02
G	3	5932A	SUN 760W AC HE GOLD POWER SUPPLY FOR SUN X64 SERVERS. FOR FACTORY INTEGERATION ONLY. ROHS-6.	\$ 206.67	\$ 620.01
H	18	6331A-N	DRIVE BAY FILLER PANEL FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450/SUN BLADE X6270 X64 SERVERS. ROHS-6. XATO.	\$ -	\$ -
I	3	6325A-N	TOOL-LESS SLIDE RAIL KIT FOR SUN FIRE X4140/X4170/X4240/X4270/X4440/X4150 /X4450 SERVER. ONLY FITS IN SUN RACK 938, SUN RACK 1038, SUN RACK 1042, OR RACKS THAT HAVE FRONT TO REAR RAIL SPACING BETWEEN 610MM AND 915MM (ABOUT 24" (CALL FOR FULL DESCR)	\$ 124.50	\$ 373.50
J	42	5879A-N	SUN FIRE X4170, SUN FIRE X4270, AND SUN NETRA X4270 SERVERS, AND SUN BLADE X6275 AND SUN BLADE X6270 SERVER MODULES: 1 MEMORY FILLER PANEL (FOR FACTORY INSTALLATION)	\$ -	\$ -
K	12	4910A	FDS ONLY-SUN FIRE X4270 M2 AND SUN FIRE X4170 M2 SERVERS: ONE 4 GB 1,333 MHZ REGISTERED DDR3 LOW VOLTAGE DIMM (FOR FACTORY INSTALLATION)	\$ 211.65	\$ 2,539.80
L	6	5898A-N	SUN FIRE X4170 AND SUN NETRA X4270 SERVERS: 1 CPU HEAT SINK (FOR FACTORY INSTALLATION)	\$ -	\$ -
				<b>Total</b>	<b>\$ 19,246.14</b>

## System 5

Item	Qty	Part Number	Description	Price	Extended Price
A	1	SEHASY21Z-N	LOD 18-MAR-11 REPL IS NONE NON-CANCEL, NON RETURN-SUN SPARC ENTERPRISE SERVER M9000/32 1-FRAME BASE CABINET WITH 1 * PASSIVE BACKPLANE, 8 * XB BOARDS, 2 * SERVICE PROCESSORS, MAX. PSU (15), MAX. FAN (16), 1 * DVD, 3-PHASE (208V)(CALL FOR FULL DESCR)	\$ 245,000.00	\$ 245,000.00
B	1	SEMY4KE1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 4 GB DIMMS	\$ 242,270.00	\$ 242,270.00
C	1	SEMY4JE1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 2 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 4 GB DIMMS	\$ 158,760.00	\$ 158,760.00
D	2	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00	\$ 25,200.00
E	2	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5' SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-6 COMPLIANT.	\$ 833.00	\$ 1,666.00
F	1	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 1,396.50	\$ 1,396.50
G	2	SG-PCIE2FC-EM4-N	SUN STORAGE TEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
H	2	4447A-Z-N	SUN X8 PCI-E QUAD GIGABIT ETHERNET UTP, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 979.40
I	18	CLUI9-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL	\$ 770.00	\$ 13,860.00
J	1	SOLZS-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE-INSTALL (FOR INTEGRATION).	\$ -	\$ -
K	1	SEMY4KE1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 4 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 4 GB DIMMS	\$ 242,270.00	\$ 242,270.00
L	1	SEMY4JE1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 2 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 4 GB DIMMS	\$ 158,760.00	\$ 158,760.00
M	2	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00	\$ 25,200.00

N	2	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5' SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-6 COMPLIANT.	\$ 833.00	\$ 1,666.00
O	1	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 1,396.50	\$ 1,396.50
P	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
Q	2	X4447A-Z-N	SUN X8 PCI EXPRESS QUAD GIGABIT ETHERNET UTP LOW PROFILE ADAPTER, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 979.40
R	18	CLUI9-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL	\$ 770.00	\$ 13,860.00
S	1	SOLZS-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE-INSTALL (FOR INTEGRATION).	\$ -	\$ -
T	1	SEMY4JE1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 2 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 4 GB DIMMS	\$ 158,760.00	\$ 158,760.00
U	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00	\$ 12,600.00
V	2	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5' SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-6 COMPLIANT.	\$ 833.00	\$ 1,666.00
W	1	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 1,396.50	\$ 1,396.50
X	2	X4447A-Z-N	SUN X8 PCI EXPRESS QUAD GIGABIT ETHERNET UTP LOW PROFILE ADAPTER, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 979.40
Y	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
Z	6	CLUI9-LCO-PROC	ORACLE SOLARIS CLUSTER LICENSE PROCESSOR PERPETUAL	\$ 770.00	\$ 4,620.00
A1	1	SOLZS-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE-INSTALL (FOR INTEGRATION).	\$ -	\$ -
A2	1	SEMY4JE1Z	SUN SPARC ENTERPRISE SYSTEM BOARD WITH 2 SPARC64 VII+ 4-CORE 3.0 GHZ PROCESSORS AND SIXTEEN 4 GB DIMMS	\$ 158,760.00	\$ 158,760.00
A3	1	SEMY61Z-N	SUN SPARC ENTERPRISE PCI-E IO UNIT WITH 8 * PCI-E SLOTS AND 4 * DISK BAYS FOR UP TO 4 * 2.5' SERIAL SCSI HDD, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 12,600.00	\$ 12,600.00

A4	2	SEMY3C11Z-N	SUN 300GB 10K RPM 2.5' SAS DISK DRIVE, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-6 COMPLIANT.	\$ 833.00	\$ 1,666.00
A5	1	SEMY7BS1Z-N	SUN SPARC ENTERPRISE SERVER BASE I/O CARD WITH 2*GB ETHERNET PORTS PLUS SUPPORT FOR HDD, DVD AND DAT, FOR USE WITH SPARC ENTERPRISE M8000 AND M9000 SERVERS, ROHS-5.	\$ 1,396.50	\$ 1,396.50
A6	2	X4447A-Z-N	SUN X8 PCI EXPRESS QUAD GIGABIT ETHERNET UTP LOW PROFILE ADAPTER, LP BRACKET ON BOARD, STD BRACKET INCLUDED, ROHS-6 COMPLIANT. THE CARD USES SUN MULTITHREADED NEPTUNE ASIC WITH ENHANCED PERFORMANCE	\$ 489.70	\$ 979.40
A7	2	SG-PCIE2FC-EM4-N	SUN STORAGETEK PCI-E ENTERPRISE 4GB FC HOST BUS ADAPTER, DUAL PORT, EMULEX, INCLUDES STANDARD AND LOW PROFILE BRACKETS, FACTORY CONFIGURABLE. ROHS 6 COMPLIANT	\$ 1,496.25	\$ 2,992.50
A8	1	SOLZS-10LC9A9S-IP	SOLARIS 10 10/09 OPERATING SYSTEM SPARC PRE-INSTALL (FOR INTEGRATION).	\$ -	\$ -
A9	2	X2821A-Z-N	SUN DATACENTER SWITCH IB-36 IS A 1RU 36 PORT MANAGED QDR INFINIBAND SWITCH. THE SWITCH UTILIZES STANDARD QSFP CONNECTORS. COMES WITH REDUNDANT POWER SUPPLIES.	\$ 16,796.00	\$ 33,592.00
A10	4	X333V-20-15-C14-N	RACK JUMPER CABLE, STRAIGHT PLUG CONNECTOR, 2.0 METER, 15AMP RATED, PLUG IEC60320-2-2 SHEET E (C14) CONNECTOR IEC60320-1-C13	\$ 20.00	\$ 80.00
A11	4	X4237A-N	SUN NETWORKING - (QFALCON) IO MODULE, SUN QUAD DATA RATE (QDR) INFINIBAND-HOST CHANNEL ADAPTER PCI-EXPRESS GEN 2 LOW PROFILE.	\$ 1,904.85	\$ 7,619.40
A12	6	X2121A-5M-N	QSFP TO QSFP PASSIVE COPPER CABLE: 5 METERS	\$ 240.00	\$ 1,440.00
				<b>Total</b>	<b>\$ 1,543,389.00</b>

<b>Grand Total</b>	<b>\$ 2,014,096.74</b>
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**STATE OF MICHIGAN**  
**DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET** December 22, 2010  
**PROCUREMENT & REAL ESTATE SERVICES ADMINISTRATION**  
 P.O. BOX 30026, LANSING, MI 48909  
 OR  
 530 W. ALLEGAN, LANSING, MI 48933

**CHANGE NOTICE NO. 9**  
**TO**  
**CONTRACT NO. 071B6200168**  
**between**  
**THE STATE OF MICHIGAN**  
**and**

NAME & ADDRESS OF CONTRACTOR / VENDOR <b>CLIENT NETWORK SERVICES, INC. (CNSI)</b> <b>702 King Farm Boulevard, 2<sup>nd</sup> Floor</b> <b>Rockville, MD 20850</b>  Email: <a href="mailto:chatterjee@cns-inc.com">chatterjee@cns-inc.com</a>	VENDOR TELEPHONE <b>(301) 634-4600</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA Steve Motz <b>Tel: (517) 241-3215</b>
Contract Compliance Inspector: Jay Slaughter <b>Medicaid Services Administration</b>	
CONTRACT PERIOD: From: <b>03/14/2006</b> To: <b>12/31/2012</b>	
TERMS: Enclosed	SHIPMENT <b>N/A</b>
F.O.B. <b>N/A</b>	SHIPPED FROM <b>N/A</b>
MINIMUM DELIVERY REQUIREMENTS: <b>N/A</b>	
MISCELLANEOUS INFORMATION:	

**NATURE OF CHANGE(S):**

**Effective immediately, the holdback percentage in Section 2.095 of the contract has been changed from 10% to 1.54% until Federal Certification is received for the system. All other terms, conditions, specifications and pricing remain the same.**

**AUTHORITY/REASON:**

**Per DCH, DTMB and Contractor concurrence.**

**TOTAL ESTIMATED CONTRACT VALUE REMAINS: \$129,956,765.00**

STATE OF MICHIGAN  
DEPARTMENT OF MANAGEMENT AND BUDGET  
PURCHASING OPERATIONS  
P.O. BOX 30026, LANSING, MI 48909  
OR  
530 W. ALLEGAN, LANSING, MI 48933

August 3, 2010

CHANGE NOTICE NO. 8  
TO  
CONTRACT NO. 071B6200168  
between  
THE STATE OF MICHIGAN  
and

NAME & ADDRESS OF CONTRACTOR / VENDOR <b>CLIENT NETWORK SERVICES, INC. (CNSI)</b> 702 King Farm Boulevard, 2 <sup>nd</sup> Floor Rockville, MD 20850  Email: <a href="mailto:chatterjee@cns-inc.com">chatterjee@cns-inc.com</a>	VENDOR TELEPHONE <b>(301) 634-4600</b>
	VENDOR NUMBER/MAIL CODE
	BUYER/CA Steve Motz Tel: <b>(517) 241-3215</b>
Contract Compliance Inspector: Jay Slaughter <b>Medicaid Services Administration</b>	
CONTRACT PERIOD: From: <b>03/14/2006</b>	To: <b>12/31/2012</b>
TERMS: Enclosed	SHIPMENT <b>N/A</b>
F.O.B. <b>N/A</b>	SHIPPED FROM <b>N/A</b>
MINIMUM DELIVERY REQUIREMENTS: <b>N/A</b>	
MISCELLANEOUS INFORMATION:	

**NATURE OF CHANGE(S):**

Effective immediately, this contract is hereby **INCREASED** by \$18,600,000.00 and **EXTENDED** to December 31, 2012 per the attached document for the following project:

**“CHAMPS” MMIS GAP ANALYSIS AND IMPLEMENTATION PROPOSAL FOR HIPAA 5010, ICD 10 CODE SET EXTENSIBILITY AND ELECTRONIC HEALTH RECORD INCENTIVE PROGRAM ADMINISTRATION AND COORDINATION.**

This project will be paid on a fixed contract amount that includes a \$1.3 million project discount. The base contract blended rate remains at \$137.14.

All other terms and conditions, specifications, and pricing remain the same.

Please Note: Buyer has been changed to Steve Motz, [motzs@michigan.gov](mailto:motzs@michigan.gov)

**AUTHORITY/REASON:**

Per agency, DTMB and vendor concurrence and per the approval of the 7/20/2010 State Administrative Board.

**INCREASE: \$18,600,000.00**

**TOTAL REVISED ESTIMATED CONTRACT VALUE: \$129,956,765.00**

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**FOR THE VENDOR:**

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Authorized Agent Signature

\_\_\_\_\_  
Authorized Agent (Print or Type)

\_\_\_\_\_  
Date

**FOR THE STATE:**

\_\_\_\_\_  
Signature

**Steve Motz, Buyer**

\_\_\_\_\_  
Name/Title

**IT Division**

\_\_\_\_\_  
Division

\_\_\_\_\_  
Date

