

1. DATE OF ORDER <b>SEP 27 2005</b>		2. CONTRACT NO. (If any) NAS5-01142D		6. SHIP TO:	
3. ORDER NO. DR-03-05-035		MODIFICATION NO.		b. NAME OF CONSIGNEE U.S. Nuclear Regulatory Commission Attn: Undine Shoop	
5. ISSUING OFFICE (Address correspondence to) U.S. Nuclear Regulatory Commission Div. of Contracts Attn: CME2 Mail Stop T-7-I-2 Washington, DC 20555				b. STREET ADDRESS 5008 Boiling Brook Pkwy Matilston O-10-R-3	
7. TC:				c. CITY Rockville	
				d. STATE MD	
				e. ZIP CODE 20852	

a. NAME OF CONTRACTOR GTSI CORP			8. TYPE OF ORDER		
b. COMPANY NAME			<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY		
c. STREET ADDRESS 3901 STONECROFT BLVD			Reference your Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.		
d. CITY CHANTILLY			Except for billing instructions on the reverse, this delivery/task order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.		
e. STATE VA		f. ZIP CODE 20151101			

9. ACCOUNTING AND APPROPRIATION DATA 520-15-111-160 J3072 3130 31x0200 Duns: 107939357			\$55,165.00		
10. REQUISITIONING OFFICE NRR			NRR/DSSA/SRXB		

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. SERVICE-DISABLED VETERAN-OWNED		
<input type="checkbox"/> e. WOMEN-OWNED	<input type="checkbox"/> f. HUBZone	<input type="checkbox"/> g. EMERGING SMALL BUSINESS			

13. PLACE OF		14. GOVERNMENT BL. NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) Oct 31, 2005		16. DISCOUNT TERMS Net 30	
/a. INSPECTION		b. ACCEPTANCE					

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
	***** This is a SEWP III Order ***** In accordance with the provisions of the NASA Interagency Scientific Engineering Workstation Procurement (SEWP), the NRC is purchasing the items listed below. Myron Kerner, IFOC/OCIO Official					
001	Linux Cluster for NRC, CLIN 4218, 24.313117 Includes SEWP Fee (Please reference GTSI Quote QUT2008411 and pages 2 and 3 of this order.)				\$60,135.00	
002	GTSI Account Credit (Please reference attached GTSI Invoice #C12199101, dated 2/22/05, credit from DR040169)  SEWP Contract: NAS5-01142D  NRC Point of Contact: Undine Shoop, 301-415-2063  Delivery Instructions: See Block 6 of this Order				-\$4,970.00	

18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$55,165.00	
21. MAIL INVOICE TO:							
a. NAME U.S. Nuclear Regulatory Commission Payment Team, Mail Stop T-9-H-4							
b. STREET ADDRESS (or P.O. Box) Attn: DR-03-05-035							
c. CITY Washington				d. STATE DC		e. ZIP CODE 20555	
						17(i) GRAND TOTAL \$55,165.00	

22. UNITED STATES OF AMERICA BY (Signature)		23. NAME (Typed) Stephen M. Foo		TITLE: CONTRACTING/ORDERING OFFICER	
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**Linux Cluster Requirements for System:****Hardware:****(4) rack-mounted compute modules each with 2 processors in****(1) rack cabinet****(1) master control node****All nodes require :**

- AMD-8131 HyperTransport PCI-X Tunnel chipset and Opteron motherboards
- heatsinks and power supplies
- a 128-bit DDR memory bus
- independent PCI-X buses
- an 8MB ATI Rage XL PCI graphics controller
- Broadcom 5702 Gigabit Ethernet controllers
- Redhat Enterprise Linux ES
- GB Ethernet Cables

**The 4 compute nodes require:**

- 16 (total) Micron 1GB PC3200/DDR400 S/R DIMM R
- Micron 4MC22-D9CHC 512Mb DRAM (128M x4)
- 4 (total) Seagate UDMA EIDE hard drive (80GB) 7200RPM 2MB Cache or equivalent (Seagate is a brand)

**The master node requires:**

- 4 Micron 1GB PC3200/DDR400 S/R DIMM R-ECC
- Micron 4MC22-D9CHC 512Mb DRAM (128M x4)
- 2 Seagate UDMA EIDE hard drive (160GB) 7200RPM 2MB Cache

**The Rackmount chassis requires:**

- RAID enclosure
- Redundant Hotswappable 460W Power Supply Modules
- Redundant Hotswappable Dual-Speed Fan Modules
- Removable/Hotswappable carriers, 80pin SCA
- Repeater Modules
- Hardware management software for one chassis

**Linux Network Cluster Management Software or equal :**

Software must have the following:

- Comprehensive system monitoring (real time) including CPU usage, disk I/O, file system usage, kernel and OS information, load, memory usage, network information and bandwidth, swap usage, and more.
- Cluster overview and health status monitoring with automatic administrator notification through an event subsystem.
- Controlled image management with support for saving and logging revisions of multiple linux distributions and linux kernels.
- High-speed multicast provisioning for efficient loading of the OS and applications.
- Control featuring power management, temperature and basic motherboard monitoring, and serial access to each node.
- Integrated user management with support for NIS, LDAP, and Kerberos.
- GUI based parallel shell and parallel copy.

**Also the cluster must include:**

- 8 (total) 146.8GB ULTRA 320 SCSI 10K RPM CHEETAH set up as RAID 5
- 1 rackmount 15IN LCD console, Keyboard, Mouse
- 1 Quantum ATL Tape Backup, 640/1.28TB 1280L SUPERLOADER 1DR/16SLOT with a Native capacity of 640 GB and Compressed capacity of 1280 GB or equivalent.
- 1 Internal 16X DVD-ROM, DVDROM +/-RW/RAM Reader
- Pathscale EKO Compiler Suite For AMD Opteron Processors or equivalent (C, C++, and Fortran 77/90/95 Compilers, optimizations, complete support for 64-bit compilation, complete support for x86 32-bit compilation, code generation for AMD64 ABI and AMD Opteron, and compatible with GNU/gcc tool chain and debuggers)
- On site installation and integration
- 12-Month - Priority Plus Service / Support Contract
- 1-year hardware warranty
- Unlimited Online Support
- Phone and Fax Support
- ClusterworX Upgrades
- Automatic Update Notification
- ClusterworX Upgrade on CD-ROM

## **DELIVERY ORDER TERMS AND CONDITIONS NOT SPECIFIED IN THE CONTRACT**

### **A.1 NRC ACQUISITION CLAUSES - (NRCAR) 48 CFR CH. 20**

### **A.2 OTHER APPLICABLE CLAUSES**

See Addendum for the following in full text (if checked)

52.216-18, Ordering

52.216-19, Order Limitations

52.216-22, Indefinite Quantity

52.217-6, Option for Increased Quantity

52.217-7, Option for Increased Quantity Separately Priced Line Item

52.217-8, Option to Extend Services

52.217-9, Option to Extend the Term of the Contract

### **A.3 SEAT BELTS**

Contractors, subcontractors, and grantees, are encouraged to adopt and enforce on-the-job seat belt policies and programs for their employees when operating company-owned, rented, or personally owned vehicles.