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PART: U.S. GOVERNMENT PROCUREMENTS
SUBPART: SUPPLIES, EQUIPMENT AND MATERIAL
CLASSCOD: 70--General-Purpose Information Technology Equipment
OFFADD: Dahlgren Division, Naval Surface Warfare Center, 17320
  Dahlgren Road, Dahlgren, VA 22448-5100
SUBJECT: 70--HIGH PERFORMANCE SYMETRICAL MULTIPROCESSING REAL-TIME
  COMPUTER INTEGRATED SYSTEM
SOL N00178-97-Q-0181
DUE 062397
POC Barbara Walters 540-653-4904T
DESC: The Government intends to purchase a high performance real-time
  multi-threaded UNIX based computer integrated operating system
  which supports symmetrical multiprocessing real-time functions
  and adheres to the UNIX System V Interface Definition, POSIX
  1003.1-1990, POSIX 1003.1b-1993, POSIX 1003.1C, and X/Open's
  XPG4 Base 1993 standards. The specifications are as follows:
  A high performance symmetrical multiprocessing real-time computer
  integrated system in standard VME double height (6U) format,
  with up to eight 150MHZ **PowerPC** 604e RISC **CPU** modules and daughtercard
  each containing: 32MB local memory, 64KB primary cache, IEEE
  754 floating point, 4GB logical and physical address space,
  1MB secondary inline cache, 1.6GB/second memory bandwidth,
  industry standard VME64 I/O subsystem, industry standard PMC
  interface, less than 8ms response time of external interrupts
  to user level applications, SCSI-2 fast/wide interface, and
  ethernet (IEEE 802.30 TCP/IP interface. The system will be
  housed in a 12 slot BME chassis with power supply which holds
  up to five (5) half-height SCSI peripheral drives and at a
  minimum integrated with the following: Two of the 150MHZ **PowerPC**
  RISC **CPU** modules as described above; One 15 amp US power cord,
  One dual ported memory controller with PMC port; One 64MB DRAM
  memory module for a dual ported controller; One front plane
  connector for synchronous bus interface between processors
  and global memory; One 4.0GB fixed disk 3.5 inch, formatted,
  single ended fast SCSI-2 interface; One 4mm DAT tape driver;
  One X-terminal console 30 foot cable; One Desktop thinnet transceiver
  kit which includes a 6 foot cable, a thinnet transceiver, and
  a two terminator BNC Tee; One hardware manual kit; One 21 inch
  color X-terminal with 8MB memory 60HZ includes monitor, mouse,
  keyboard, 4MB flash memory, ethernet connection, and power
  cord. Resolution 1280x1024 at 73HZ 0.28mm dot pitch, 256 colors;
  One ANSI C compiler 2 user license; One C++ compiler 2 user
  license; One TCP/IP Frame level software implementation of
  the Internet Protocol Suite (IP); One X Window System Client
  software with OSF/Motif, X Window system version 11; One X-Terminal
  Boot software; One software tool set to provide a Trace, View,
  Simulation, Probe, and Tune capabilities. Includes a base system
  license and one user license. Trace provides a graphic toolset
  for analyzing the dynamic behavior of multiprocess and multiprocessor
  applications. View provides a general purpose source-level
  program debugger with features that make it useful for debugging
  real-time programs. Simulation provides a frequency based scheduler
  and performance monitor control package with X-Window and Motif
  graphical user interface. Probe provides a data monitoring
  and real-time recording software package through the X-Window
  and Motif graphical user interface. Tune provides an interactive
  graphical tuning and monitoring environment for multiprocessor
  computers. One additional user license for each: Trace, View,
  Simulation, Probe and Tune capabilities. One network file system
  to provide transparent file access among NES-compliants; one
  documentation kit for the C compiler; One documentation kit

for the C++ compiler; One documentation kit for the Trace tool;
One documentation kit for the View tool; One documentation
kit for the Probe tool; One documentation kit for the simulation
tool; One documentation kit for the Tune tool; One documentation
kit for the TCP/IP software; One documentation kit for the
X-Windows Client software (1 each). Award is to be made utilizing
Simplified Acquisition Procedures. All responsible sources
shall provide manufacturer's specification sheets to show that
their quote meets all of the above specifications for a complete
system with their fax quote which shall be considered by the
Naval Surface Warfare Center, Dahlgren Division, Dahlgren,
VA 22448. Fax number is 540-653-2958 Attn: Barbara Walters,
Code SD18. THE GOVERNMENT SHALL NOT ISSUE A WRITTEN QUOTE AS
ALL ITEMS ARE CALLED OUT IN THIS CBD NOTICE. The items shall
be shipped FOB Destination to the Naval Surface Warfare Center,
Dahlgren Division, Dahlgren, VA 22448. Closing date is 23 June
1997. Anticipate award by 27 June 1997.
EMAILADD: bwynne@nswc.**navy**.mil
EMAILDESC: Naval Surface Warfare Center, Dahlgren Division
CITE: (W-157 SN081352)