

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

Communication Equipment: To include Hewlett Packard Enterprise Servers with Tape Back-Up and Cisco Network Equipment and various other Test Lab Hardware, Software, and Services

Requisition Number: **24590-CM-MRA-EF00-00010**
 Submit Interest By: **December 21, 2020**
 Quality Level: **CM, No Supplier Quality Surveillance**
 Award Type: **Firm Fixed Price**

ESTIMATED SCHEDULE (Subject to change)

Issue Request for Proposal: **January 8, 2021**
 Award and Notice to Proceed: **February 4, 2021**
 Required Delivery Date: **February 26, 2021**

PROJECT DESCRIPTION AND LOCATION

The Hanford Tank Waste Treatment and Immobilization Plant (WTP) is a complex of radioactive waste treatment processing facilities designed and constructed by Bechtel National, Inc. for the Department of Energy (DOE). The facility will process the Hanford Site tank waste and convert the waste into a stable glass form.

The Project site is located in the 200 East Area of the Hanford Reservation near Richland, Washington, along the Columbia River. The site elevation varies from 662 to 684 feet above mean sea level. Ambient temperature range is -23 degrees F minimum to 113 degrees F maximum, with relative humidity of 5% minimum to 100% maximum. The project design life is 40 years.

SCOPE OF WORK

The following table identifies the majority of products required. Some items are represented on more than one row, together they represent the total quantities needed. The part numbers and quantities are subject to change prior to issuing the Request for Quote (RFQ). It's estimated the RFQ lines will show an estimated 20 main assemblies with some of the parts below shown as factory integrated. The balance of parts will be shipped separately and integrated by the BUYER.

MFG	Description	Qty
APC	AP7800B. Rack PDU Metered, 1U, 15A, 100/120V,(8) 5-15.	1
APC	AP8959NA3. APC PDU Zero U, 20A, 208V, (21)C13 & (3)C19	2
APC	AP8959NA3. APC Rack PDU 2G, Siwtched, ZeroU, 20A, 208V	6
APC	AP9631. UPS Network management Card 2 with Environmental Monitoring.	3
APC	SRT3000RMXL. APX Smart-ups SRT 3000VA RM 208V.	3
APC	SRT3000RMXL-5KTF. APC Smart-ups SRT 3000VA RM 208V to 120V.	2
APC	SRT96RMBP. APC Smart-UPS SRT 96V 3kVA RM Battery Pack	3
APC	SRT96RMBP. APC Smart-UPS SRT 96V 3kVA RM Battery Pack.	2
APC	SRTRK4. APC Smart-UPS SRT 19" Rail Kit sor SRT 2.2/3kVA.	6
Atlas	I8S+. Atlas I8S+ POE+ Indoor IP Loudspeaker.	1
Atlas	IHVP+. Atlas IHVP+ POE+ Vandal and Weather Resistant Wall Mount IP Loudspeaker.	1
Cisco	AIR-AP3802I-B-K9. 802.11ac W2 AP w/CA; 4x4:3; Mod; Int Ant; mGig B Domain.	1
Cisco	AIR-CT5520-K9. Cisco 5520 Wireless Controller w/rack mounting kit.	1
Cisco	AIR-PSU1-770W=. 770W AC Hot-Plug Power Supply for 5520 Controller.	1
Cisco	ASR1001-X. Cisco ASR 1001-X System, Crypto, 6 built-in GE, Dual P/S	2
Cisco	C9300-48P-E. Catalyst 9300 48-port PoE+, Network Essentials.	2
Cisco	C9300-DNA-E-48-3Y (3 years). C9300 DNA Essentials, 48-port - 3 Year Term License	2
Cisco	C9300-NM-4G. Catalyst 9300 4 x 1GE Network Module, spare	2
Cisco	C9500-40X-A. Catalyst 9500 40-port 10Gig switch, Network Advantage	1
Cisco	C9500-40X-A. Catalyst 9500 40-port 10Gig switch, Network Advantage.	2
Cisco	C9500-DNA-A-3Y (3 Years). DNA Advantage 3 Year License.	2
Cisco	C9500-DNA-A-3Y (3 Years). DNA Advantage 3 Year License.	1

Cisco	CAB-C13-C14-2M. Power Cord Jumper, C13-C14 Connectors, 2 Meter Length	2
Cisco	CAB-C13-C14-2M. Power Cord Jumper, C13-C14 Connectors, 2 Meter Length	2
Cisco	CAB-C13-C14-2M. Power Cord Jumper, C13-C14 Connectors, 2 Meter Length.	2
Cisco	CAB-C13-C14-2M. Power Cord Jumper, C13-C14 Connectors, 2 Meter Length.	1
Cisco	CAB-C13-CBN. Cabinet Jumper Power Cord, 250 VAC 10A, C14-C13 Connectors.	4
Cisco	CAB-C15-CBN. Cabinet Jumper Power Cord, 250 VAC 13A, C14-C15 Connectors.	1
Cisco	CAB-C15-CBN. Cabinet Jumper Power Cord, 250 VAC 13A, C14-C15 Connectors.	2
Cisco	CAB-TA-NA=. North America AC Type A Power Cable.	2
Cisco	CON-ECMU-ER12USR1. SWSS UPGRADES EMRGNCY RSPNDR USR LIC 1 PHN FOR NEW 12X	6
Cisco	CON-ECMU-LICCUCHM. SWSS UPGRADES UC Manager-12.x Enhanced Single User Lic	6
Cisco	CON-ECMU-LICXCMB. SWSS UPGRADES UC Manager-12.x Basic Single User Licens.	2
Cisco	CON-ECMU-LICT5520. SWSS UPGRADES Cisco 5520 Wireless Controller 1 AP Ad.	1
Cisco	CON-ECMU-UNITYDNR. SWSS UPGRADES One Unity Connection 12.x Voice Messaging	6
Cisco	CON-SNT-ASR1001X(5yr). SNTC-8X5XNBD Cisco ASR1001-X Chassis, Crypto, 6 built.	2
Cisco	CON-SNT-BE6HM5K9. SNTC-8X5XNBD Cisco Business Edition 6000H (M5) Applia	1
Cisco	CON-SNT-FLSA11XM(1yr). SNTC-8X5XNBD Upgrade from 2.5 Gbps to 10Gbps License.	4
Cisco	CON-SNT-FLSA1BIE(1yr). SNTC-8X5XNBD ASR1001-X Built-In 10GE 1-port License.	4
Cisco	CON-SNT-FPR2130K (5yr). SNTC-8X5XNBD Cisco Firepower 2130 ASA Appliance, 1U	2
Cisco	CON-SNT-ISR4431V (5yr). SNTC-8X5XNBD Cisco ISR 4431 UC Bu	1
Cisco	CON-SW-AIRT5520 (5YR). SmartNet SNTC-NO RMA Cisco 5520 Wireless Controller.	1
Cisco	CON-SW-C93004PE (5 Years). SmartNet SNTC-NO RMA Catalyst 9300 48-port PoE+, Netw	2
Cisco	CON-SW-C95004XA (5 Years). SmartNet SNTC-NO RMA Catalyst 9500 40-port 10Gig swit	2
Cisco	CON-SW-C95004XA (5 Years). SNTC-NO RMA Catalyst 9500 40-port 10Gig switch, Net.	1
Cisco	CP-7821-K9=. Cisco UC Phone 7821.	1
Cisco	CP-7841-K9=. Cisco UC Phone 7841.	1
Cisco	CP-8821-K9=. Cisco Wireless IP Phone 8821 World mode device ONLY	1
Cisco	CP-8851-K9=. Cisco IP Phone 8851.	1
Cisco	CP-BATT-8821=. Cisco 8821 Battery, Extended.	1
Cisco	CP-PWR-8821-NA=. Cisco 8821 Power Supply for North America	1
Cisco	CP-PWR-CUBE-4. IP Phone power transformer for the 89/9900 phone series.	1
Cisco	ER12-USR-1. EMRGNCY RSPNDR USR LIC 1 PHN FOR NEW 12X SYSTEM	6
Cisco	FAN-T4-R=. Catalyst 9500 Type 4 front to back cooling Fan.	1
Cisco	FAN-T4-R=. Catalyst 9500 Type 4 front to back cooling Fan.	2
Cisco	FLSA1-1X-2.5-10G. 2.5G to 10Gbps upgrade License for ASR 1001-X	4
Cisco	FLSA1-BIN-1X10GE. ASR1001-X Built-In 10GE 1-port License.	4
Cisco	FPR2130-ASA-K9. Cisco Firepower 2130 ASA Appliance, 1U, 1 x NetMod Bay.	2
Cisco	FPR2K-PWR-AC-400. Firepower 2000 Series 400W AC Power Supply.	2
Cisco	GLC-TE. 1000BASE-T SFP transceiver module for Category 5 copper wire.	10
Cisco	ISR4431-V/K9. Cisco 4000 Series Integrated Services Router.	1
Cisco	LIC-CT5520-1A. Cisco 5520 Wireless Controller 1 AP Adder License.	1
Cisco	LIC-CUCM-12X-BAS. UC Manager-12.x Basic Single User License	2
Cisco	LIC-CUCM-12X-ENH. UC Manager-12.x Enhanced Single User License.	6
Cisco	M-ASR1001X-16GB. Cisco ASR1001-X 16GB DRAM.	2
Cisco	PWR-4430-AC=. AC Power Supply for Cisco ISR 4430, Spare	1
Cisco	PWR-C1-715WAC. 715W AC Config 1 Power Supply.	2
Cisco	PWR-C4-950WAC-R. 950W AC Config 4 Power Supply front to back cooling.	2
Cisco	PWR-C4-950WAC-R. 950W AC Config 4 Power Supply front to back cooling.	1
Cisco	SFP-10GB-SR. 10Base-SR SFP Module.	4
Cisco	SFP10G-DWDM28-ZR-SO. Cisco compatible, 10G-DWDM, SFP+, Ch28/1557.36nm	16
Cisco	SFP10G-DWDM29-ZR-SO. Cisco compatible, 10G-DWDM, SFP+, Ch29/1554.13nm	2
Cisco	SFP10G-DWDM30-ZR-SO. Cisco compatible, 10G-DWDM, SFP+, Ch30/1553.33nm	2
Cisco	SFP10G-DWDM31-ZR-SO. Cisco compatible, 10G-DWDM, SFP+, Ch31/1552.52nm	2
Cisco	SFP-10G-DWDM-ATUN-ZR-I-SO. Cisco compatible 10G-DWDM autoscanning/tuning	1
Cisco	SL-44-UC-K9=. Unified Communication PAK for Cisco ISR 4400 Series.	1

Cisco	SLASR1-AIS. Cisco ASR 1000 Advanced IP Services License.	2
Cisco	SO-DWDM-MUX-CH28-35+UPG +1310W+MO. 8CH DWDM, Mux/Demux, CH28-35	4
Cisco	UNITYCN12-STD-USR. One Unity Connection 12.x Voice Messaging User.	6
Cisco	VG202XM. Cisco VG202XM Analog Phone Gateway.	1
HPE	142257-003. HPE C13 - C14 WW 250V 10Amp 3.0m Jumper Cord	2
HPE	142257-003. HPE C13 - C14 WW 250V 10Amp 3.0m Jumper Cord	8
HPE	733660-B21#0D1. Factory integrated	4
HPE	733660-B21#0D1. Factory integrated.	1
HPE	733660-B21. Rack rail kit - 2U - for HPE ProLiant DL380p Gen8	4
HPE	733660-B21. Rack rail kit - 2U - for HPE ProLiant DL380p Gen8, DL385p Gen8	1
HPE	733664-B21#0D1. Factory integrated	4
HPE	733664-B21#0D1. Factory integrated.	1
HPE	733664-B21. HP 2U Cable Management Arm for Easy Install Rail Kit	1
HPE	733664-B21. HP 2U Cable Management Arm for Easy Install Rail Kit	4
HPE	804338-B21#0D1. Factory integrated	4
HPE	804338-B21#0D1. Factory integrated.	1
HPE	804338-B21. HPE Smart Array P816i-a SR Gen10 Ctrlr	4
HPE	804338-B21. HPE Smart Array P816i-a SR Gen10 Ctrlr.	1
HPE	815100-B21#0D1. Factory integrated	48
HPE	815100-B21#0D1. Factory integrated.	2
HPE	815100-B21. HPE 32GB 2Rx4 PC4-2666V-R Smart Kit	2
HPE	815100-B21. HPE 32GB 2Rx4 PC4-2666V-R Smart Kit.	48
HPE	817749-B21#0D1. Factory integrated	4
HPE	817749-B21#0D1. Factory integrated.	1
HPE	817749-B21. HPE Eth 10/25Gb 2P 640FLR-SFP28 Adptr	4
HPE	817749-B21. HPE Eth 10/25Gb 2P 640FLR-SFP28 Adptr.	1
HPE	826687-B21#0D1. Factory integrated	4
HPE	826687-B21. HPE DL38X Gen10 Premium 2SFF HDD Kit	4
HPE	826691-B21#0D1. Factory integrated.	4
HPE	826691-B21. HPE DL380 Gen10 Box1/2 Cage Bkpln Kit.	4
HPE	826708-B21#0D1. Factory integrated	4
HPE	826708-B21. HPE DL38X Gen10 Universal Media Bay	4
HPE	826870-B21#0D1. Factory integrated.	1
HPE	826870-B21#0D1. Factory integrated.	4
HPE	826870-B21. HPE DL380 Gen10 6132 Xeon-G Kit	1
HPE	826870-B21. HPE DL380 Gen10 6132 Xeon-G Kit	4
HPE	826870-L21. HPE DL380 Gen10 6132 Xeon-G FIO Kit.	4
HPE	826870-L21. HPE DL380 Gen10 6132 Xeon-G FIO Kit.	1
HPE	865414-B21#0D1. Factory integrated	1
HPE	865414-B21#0D1. Factory integrated	8
HPE	865414-B21. HPE 800W FS Plat Ht Plg LH Pwr Sply Kit	1
HPE	865414-B21. HPE 800W FS Plat Ht Plg LH Pwr Sply Kit	8
HPE	867810-B21#0D1. Factory integrated	4
HPE	867810-B21#0D1. Factory integrated.	1
HPE	867810-B21. HPE DL38X Gen10 High Perf Fan	4
HPE	867810-B21. HPE DL38X Gen10 High Perf Fan.	1
HPE	868703-B21#ABA. U.S. - English localization	1
HPE	868703-B21#ABA. U.S. - English localization	4
HPE	868703-B21. HPE DL380 Gen10 8SFF CTO Server	1
HPE	868703-B21. HPE DL380 Gen10 8SFF CTO Server	4
HPE	870549-B21#0D1. Factory integrated.	4
HPE	870549-B21. HPE DL38X Gen10 12Gb SAS Expander.	4
HPE	871673-B21. HPE DL38X Gen10 x8/x8/x8 FIO Riser.	4
HPE	871827-B21#0D1. Factory integrated.	4

HPE	871827-B21. HPE DL38X Gen10 Slim SAS NVMe Cable	4
HPE	873359-B21#0D1. Factory integrated	8
HPE	873359-B21#0D1. Factory integrated.	2
HPE	873359-B21. HPE 400GB SAS 12G MU SFF SC DS SSD	8
HPE	873359-B21. HPE 400GB SAS 12G MU SFF SC DS SSD.	2
HPE	875326-B21#0D1. Factory integrated	36
HPE	875326-B21. HPE 1.92TB SAS RI SFF SC DS SSD	36
HPE	875597-B21#0D1. Factory integrated.	8
HPE	875597-B21. HPE 1.6TB NVMe x4 MU SFF Scn DS SSD.	8
HPE	878189-B21. HPE 2 NVMe Instr Spec FIO	4
HPE	AM495A. HPE StoreEver 1/8 G2 Tape Autoloader and MSL Tape Library Encryption Kit	1
HPE	BB956A#0D1. Factory Integrated.	2
HPE	BB956A. HPE StoreOnce 5200 Base System.	1
HPE	BB964A#0D1. Factory Integrated.	2
HPE	BB964A. HPE StoreOnce 5200 48TB Capacity Upgrade Kit.	2
HPE	BB965A#0D1. Factory Integrated.	2
HPE	BB965A. HPE StoreOnce 5200 48TB Capacity Upgrade LTU.	2
HPE	BB983A#0D1. Factory Integrated	2
HPE	BB983A. HPE StoreOnce Gen4 10/25Gb SFP Network Card LTU.	2
HPE	BB990A#0D1. Factory Integrated.	2
HPE	BB990A. HPE StoreOnce Gen4 32Gb Fibre Channel Network Card.	2
HPE	BB991A#0D1. Factory Integrated.	2
HPE	BB991A. HPE StoreOnce Gen4 32Gb Fibre Channel Network Card LTU.	2
HPE	BD505A#0D1. Factory integrated	4
HPE	BD505A#0D1. Factory integrated.	1
HPE	BD505A. HPE iLO Adv 1-svr Lic 3yr Support	4
HPE	BD505A. HPE iLO Adv 1-svr Lic 3yr Support.	1
HPE	BE6H-M5-K9. Cisco Business Edition 6000H Svr (M4), Export Restricted SW.	1
HPE	H1K93A3#QC1. HPE MSL TapeAssure Adv Lic Support.	1
HPE	H1K93A3#QC6. HPE MSL6480 Base Support.	1
HPE	H1K93A3#QC8. HPE MSL6480 Cmand Vew TL Support.	1
HPE	H1K93A3#X01. HPE 3Y Proactive Care 24x7 wCDMR Service.	2
HPE	H1K93A3#X03. HPE 3Y Proactive Care 24x7 wCDMR Service.	1
HPE	H1K93A3#X06. HPE 3Y Proactive Care 24x7 wCDMR Service.	3
HPE	H1K93A3#ZH0. HPE StoreOnce 5200 Base System Support	1
HPE	H1K93A3#ZH5. HPE StoreOnce 5200 48TB Cap Upg Kit Supp.	2
HPE	H1K93A3#ZHF. HPE SN3600B 32Gb FC Switch Support.	1
HPE	H1K93A3. HPE 3Y Proactive Care 24x7 wDMR SVC.	1
HPE	H1K93A3. HPE 3Y Proactive Care 24x7 wDMR SVC.	1
HPE	H5UR4A1#001. HPE Deploy of Veeam Base SVC	1
HPE	H5UR4A1. HPE Deployment Services for Veeam SVC.	1
HPE	H5UR4A1. HPE Deployment Services for Veeam SVC.	1
HPE	HA113A1#5GA. HPE LowEnd SAN/Edge Switch/HAFM Inst SVC.	1
HPE	HA124A1#5T7. HPE StoreOnce Sing N Catalys Startup SVC.	1
HPE	HA124A1#5VL. HPE StoreOnce 5200 Stup SVC.	1
HPE	HA124A1#5VX. HPE SAN Startup 24 Ports Limited SVC.	1
HPE	HA124A1. HPE Technical Installation Startup SVC.	1
HPE	J9150A#0D1. Factory integrated.	2
HPE	J9150A. HPE X132 10G SFP+ LC SR Transceiver	2
HPE	J9150A. HPE X132 10G SFP+ LC SR Transceiver	8
HPE	MPUIQ-VMCHS. Server interface module for VGA.	2
HPE	P01366-B21#0D1. Factory integrated	4
HPE	P01366-B21#0D1. Factory integrated.	1
HPE	P01366-B21. HPE 96W Smart Storage Battery 145mm Cbl	1

HPE	P01366-B21. HPE 96W Smart Storage Battery 145mm Cbl	4
HPE	P9H32A#0D1. Factory Integrated.	12
HPE	P9H32A. HPE B-series 32Gb SFP28 Short Wave 1-pack Transceiver.	10
HPE	Q0L12A. HPE Storefabric SN1600E.	2
HPE	Q1H70B#ABA. U.S. - English localization.	2
HPE	Q1H70B. HPE StoreFabric SN3600B 32Gb 24/8 Fibre Channel Switch.	1
HPE	Q1Z10AAE. HPE SN3600B 8-port Fibre Channel Upgrade E-LTU	1
HPE	Q2078AH. 20 x LTO Ultrium 8 - 12 TB / 30 TB - write-on labels - green	3
HPE	Q6Q67A#0D1. Factory Integrated.	4
HPE	Q6Q67A. HPE StoreEver MSL LTO-8 Ultrium 30750 FC Drive Upgrade Kit	3
HPE	QK734A. HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable.	12
HPE	QK735A. HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable.	8
HPE	QU625A#0D1. Factory Integrated.	1
HPE	QU625A. HPE StoreEver MSL6480 Scalable Base Module	1
HPE	R0E19AAE. Veeam Availability Suite Enterprise Plus 1yr 8x5 Support E-LTU	1
HPE	R0E23AAE. Veeam Availability Suite Enterprise	20
HPE	R2B29AAE. Veeam Availability Suite Universal 3yr Subscription 24x7 Support E-LTU	5
HPE	TC444AAE. HPE StoreEver MSL6480 Command View TL E-LTU.	1
HPE	TC445AAE. HPE StoreEver MSL6480 TapeAssure Advanced E-LTU	1
InformaCast	SS-ICA%YR. InformaCast Adv. Not. Pro-Rated Sub Term: 3/28/19-1/10/22	50
MS	AAA-90052. Windows Server Datacenter per Core 16 Licenses Software License	4
MS	AAA-90059. Microsoft Windows Server Standard Edition - License - 16 cores - MPSA	3
MS	AAA-90059. Microsoft Windows Server Standard Edition - License - 16 cores - MPSA	2
Perle	4031010. Perle IOLAN DS1 D2R2.	3
PowerDsine	PD-AS-951/12-24. Microsemi PD-AS-951/12-24 POE Splitter.	3
Vertiv	AVRIQ-SRL. Server interface module for VT100 serial devices for extended distanc	24
Vertiv	LRA185KMM16D-G01. LCD, 16P KVM, 16 CABLES, USB KB-US TAA	3
Vertiv	LRA185KMM8D-G01. LCD, 8P KVM, 8 CABLES, USB KB-US TAA.	1
Vertiv	MPUIQ-VMCHS. Server interface module for VGA, keyboard, mouse, CAC and USB2.0	24
Vertiv	UPD-AM. Avocent UPD-AM 40W AC Power supply (For AVRIQ-SRL)	24
VMWare	VCS6-STD-3PSSS-F. U.S. Fed. Prod.Support/Subn VMware vCenter Svr 6 Stnd vSphere	1
VMWare	VCS6-STD-F-L1. U.S. Federal VMware vCenter Svr 6 Stnd for vSphere 6 (Per Inst)	5
VMWare	VR7-OSTC-3PSSS-F. U.S. Fed Prod Sup/Sub for Vmware vRealize Ops 7 Stnd (Per CPU)	10
VMWare	VR7-OSTC-F. U.S. Federal VMware vRealize Operations 7 Std (Per CPU)	10
VMWare	VS6-EPL-3PSSS-F. U.S. Fed Prod Support/Sub Vmware vSphere 6 Ent.e Plus for 1 pro	10
VMWare	VS6-EPL-F-L2. TPP L2 U.S. Federal VMware vSphere 6 Enterprise Plus	10

QUALITY ASSURANCE (QA) REQUIREMENTS

Programmatic Quality Assurance (QA) requirements for this purchase order will be: Commercial Quality - Based on DOE Order 414.1C

BIDDER REGISTRATION AND PRE-QUALIFICATION

The BNI Purchasing group is responsible for collection, evaluation, and internal publication of potential bidders' information for the purpose of pre-qualifying them to bid on any particular purchase order.

As part of this process, BNI requires all potential offerors to register at the Supplier and Contractor Portal at: <https://www.Bechtel.com/supplier/>

If your company has registered previously, then only supplemental information should be sent to the Bechtel National, Inc. representative noted below.

Information to be provided by potential bidders must include:

- Dun and Bradstreet Number
- Company Name

- Company Address
- Contact Phone Number
- Contact Person
- Email Address
- Applicable Work Experience and Projects
- Size of Business (Small, Large)

WTP BACKGROUND

Information about the WTP Project can be found on <http://www.hanfordvitplant.com>

CONTACT

Bechtel National, Inc.
450 Hills Street
Richland, WA 99354
Attn: Kurt Knapp
Phone: 509-271-2368
Email Address: kknapp@bechtel.com