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SUBJECT: PURCHASE OF POWER10 SYSTEM

BID #: SC-0330-23 **OPEN DATE: 2023-05-03**

GENERAL GOVERNMENT AWARDS COMMITTEE

KIND AND BASIS OF CONTRACT: SUPPLY CONTRACT – PERIOD OF SERVICE WILL BE THREE (3) YEARS FROM THE DATE OF AWARD

AGENCY: INFORMATION TECHNOLOGIES DIVISION

BASIS OF AWARD: ALL OR NONE TO THE LOWEST RESPONSIVE, RESPONSIBLE BIDDER

NUMBER OF BIDS INVITED: 20 **NUMBER RECEIVED:** 1 **OTHER:** 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
Recommend approval of award to the sole responsive, responsible bidder, e-TechServices.com, Inc. in the amount of $190,359.51 for PURCHASE OF POWER10 SYSTEM. The period of service will be three (3) years from the date of award.

Funding Source: 53104.113401.564270.000000.00000000.00000, to be executed by purchase order(s). The supplier requires the City to sign the vendor agreement statement of work for the installation services.

Attachments: Recommendation Memo, Bid Tabulation Sheets, Terms and Conditions, Specifications

ANALYST: _____
RUBEN OLA

RESPECTFULLY SUBMITTED: _____
FOR: DUSTIN FREEMAN, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Kenneth Lathrop, Chief of Information Technologies Division/CIO

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

INFORMATION TECHNOLOGIES DIVISION

CITY OF JACKSONVILLE

DATE: May 4, 2023

TO: Dustin L. Freeman, Chief of Procurement Division

THRU: Kenneth E. Lathrop, Chief of Information Technologies / CIO

Kenneth E. Lathrop — Digitally signed by Kenneth E. Lathrop Date: 2023.05.08 09:25:00 -04'00'

FROM: Thomas Ossi, Technology Contract and Records Manager

Thomas Ossi — Digitally signed by Thomas Ossi Date: 2023.05.04 15:03:04 -04'00'

RE: **SC-0330-23 PURCHASE OF POWER10 SYSTEM**

Information Technologies Division (ITD) submitted an RFP to Procurement Division for solicitation of the Purchase of Power10 System, Bid # SC-0330-23.

Procurement Division received one (1) supplier response and zero (0) no bids with an open date of May 3, 2023. The Procurement Division forwarded the bid tabulation sheet and the bid response to the Information Technologies Division for review.

ITD recommends awarding the bid to the lowest, responsive, responsible bidder: e-TechServices.com,Inc., in the amount of $190,359.51.

Tracy Geake — Digitally signed by Tracy Geake Date: 2023.05.05 09:05:18 -04'00'

FUNDING SOURCE: 53104.113401.564270.000000.00000000.00000.0000000

The equipment and installation services will be purchased by purchase order. The supplier will require the City to sign a Statement of Work for the installation services. The term of the agreement will be three (3) years from date of award.

Your favorable consideration of ITD's request is appreciated.

Attachment: Bid Tab Sheet

CC: William Costa, Technology Infrastructure Manager
Mark Deas, Server Infrastructure Manager
Elizabeth Brown, IT Operations Manager
Andre Conyers, IT Contract Administrator

BID TABULATION SHEET

TITLE: PURCHASE OF POWER10 SYSTEM

BID NO.: SC-0330-23

OPEN DA 5/3//2023

ANALYST RUBEN OLA

No. Invited: (20) No. Received (1) No Bids: (0)

Bid Recorder: M. PIERCE, Announcer: B. KEMP

ITEM	DESCRIPTION	QUANTITY	e-TechServices.com, Inc. PRICE EACH	e-TechServices.com, Inc. EXT. PRICE	PRICE EACH	EXT. PRICE	PRICE EACH	EXT. PRICE	PRICE EACH	EXT. PRICE
1	(1) 5765-VHX Hardware Management Console Virtual Appliance x86 based V10 (2) 9105-22B IBM Power System S1022s Each with: (2) PCIe3 LP 2-Port 25/10Gb NIC&ROCE SR/Cu, Adapter (4) 800GB Mainstream NVMe U.2 SSD 4k for AIX/Linix, Processor (2) 128GB (2x64GB) DDIMMs, 3200 MHz, 166BIT DDR4 Memory, (2) PCIe3 LP 166b 2-Port Fibre Channel Adapter (1) 8-Core Typical 3.00 to 3.90 Ghz (max) Power10, Processor Config: 10190560r2	1 EA	$ 107,388.39	$ 107,388.39						
2	(1) 4662-6H2 IBM FlashSystem 5200 NVMe Control, Enclosure (6) 4.8 TB NVMe Flash Core M(1) 4662-6H2 IBM FlashSystem 5200 NVMe Control Enclosure (6) 4.8 TB NVMe Flash Core Module (1) 16 Gb FC 4 Port Adapter Cards (Pair) (1) 512 GB Base Cache (2) 8969-F24 IBM Storage Networking SAN24B-6 each with (1) F24 8 x 32Gbps SW SFP Bundle (8pt active) Config: 10147904r9	1 EA	$ 52,971.12	$ 52,971.12						
3	IBM ServiceElite 24x7, 3yr Warranty Service Upgrade	1 EA		Included						
4	IBM FlashSystem and PowerVM AIX Migration Installation & Configuration	1 EA	$ 30,000.00	$ 30,000.00						
	GRAND TOTAL:		$ 190,359.51							
	TERMS:									
	DELIVERY (Business Days):		15 days							
	CONFLICT OF INTEREST:		✓							
	ADDENDUM (S) ( ):									
	NOTES:									

TERMS AND CONDITIONS

PURCHASE OF POWER10 SYSTEM

1. SCOPE

The Information Technologies Division of the City of Jacksonville, Florida is currently accepting bids to obtain source(s) of supply for the items as outlined in the bid documents provided. The purpose of this bid invitation is to obtain information about your firm and its ability to provide these items and to obtain pricing commitments for the purchase of IBM Power10 AIX units, supporting hardware and installation of new hardware, as well as migration of EBS application.

2. AWARD

Award will be **ALL OR NONE** to the lowest responsive, responsible bidder. Bidders must bid on all items to be considered for award. ALL awards are subject to the availability of funds.

As per Section 126.114 of the City of Jacksonville Ordinance Code, preference will be given to a responsive and responsible vendor offering American manufactured, assembled, or produced goods, and who is within 5% of the lowest responsive and responsible bidder. To receive this preference, the bidder must complete the attached Buy American Preference Compliance Certificate and attach supporting documentation and/or evidence attesting that at least 51% offered in the bid response is manufactured, assembled or produced in the United States.

a. Bidder is not required to submit for the Buy American Preference. Bidders may quote items less than 51% American made but will not be eligible for the preference.

b. Restrictions and exemptions may apply. Please refer to Section 126.114 for specifics.

3. TERM OF AGREEMENT

This is a one-time purchase. The term of this agreement is three (3) years from date of award.

4. MINIMUM REQUIREMENTS

Bidders should submit or comply with the following requirements. Failure to submit any of these requirements may be grounds for rejection:

a. The Contractor shall provide all business licenses required by local, state, and federal law as applicable.

b. Contractor must provide proof of valid certification and in good standing.

c. Contractor shall provide evidence of current IBM Gold Business Partner/Reseller status or higher.

5. PRE-BID CONFERENCE

None

6. STATE CONTRACTS

The City reserves the right to utilize contracts established by the State of Florida and or other governmental agencies for item(s)/service(s) covered under this bid. The city reserves the right to cancel this contract in

SPECIFICATIONS

PURCHASE OF POWER10 SYSTEM

The Information Technologies Division is replacing the server hardware for the City's Oracle HRMS (Human Resources Management System) with a current hardware solution. The current application environment will be moved to the Power10 System platform utilizing Oracle RAC (Real Application Clusters). Please note that the current solution utilizes EMC storage.

A. Hardware Maintenance Repair and Software Support Response Time Requirements

As part of this replacement solution, the City requires an IBM Global Services Service Elite, 24x7, 4-Hour, 3-Year, Warranty Service Upgrade:

1. Provide all necessary Warranty Service Upgrades (WSUs) and necessary IBM Global Services (IGS) Service Elite maintenance to cover all the **hardware** in this bid with 24x7 coverage and 4-hour response, for a total term of 3 years.
2. Provide all necessary IBM Global Services **Software** Maintenance Agreements to provide 24x7 coverage and 4-hour response, for a total term of 3 years.
3. Provide IBM Global Services Service Elite Account Advocate coverage for the **servers and storage and network switches** in this bid request, for a total term of 3 years.

B. IBM Power Systems Migration Specifications

Replace AIX Hardware which currently uses EMC storage with Power10 System new storage and network switches using Oracle RAC.

C. Minimum Requirements

1. Contractor shall maintain at least one IBM Certified Specialist in Power Systems on staff for duration of project.
2. Contractor shall provide evidence of current IBM Gold Business Partner/Reseller status or higher.
3. All items must be NEW with manufacturer's warranty and support. NO refurbished equipment. NO open box.

D. Services Specifications:

The project will be conducted in two phases, with all tasks being performed in collaboration with City staff to ensure adequate knowledge transfer:

1. Phase I - Hardware Implementation: Includes familiarization with all technologies utilized during the installation and configuration of Power10 System, storage solution, network switches and Hardware Management Console (HMC), as well as the mechanical installation of all products purchased as part of this bid. Configure hardware to support Oracle RAC.

2. Phase II - Migration: For each Power10 System, migrate/clone LPARs from the Power8 servers to the Power10 servers. The version of Oracle eBusiness Suite will not change during the migration. Any customizations or modifications made to the Oracle eBusiness Suite will be performed by City of Jacksonville engineers.

   Note: City will supply space, cooling, power, server racks, PDU, WAN, and cables.

Parts List
SERVER UPGRADE to POWER10

Server 1: HARDWARE		
Product No.	Description	Qty
9105-22B	Server 1:IBM Power S1022s	1
0265	AIX Partition Specify	1
2146	Primary OS - AIX	1
2319	Factory Deconfiguration of 1-core	2
4650 5000	Rack Indicator- Not Factory Integrated Software Preload Required	1 1
5228	PowerVM Enterprise Edition	6
6458 9300	Power Cord 4.3m (14-ft), Drawer to IBM PDU (250V/10A) Language Group Specify – US English	2 1
9440	New AIX License Core Counter	6
ALH0	Expert Care Indicator	1
EB3N EB46	AC Titanium Power Supply - 2000W for Server (200-240 VAC) 10GbE Optical Transceiver SFP+ SR	2 4
EC2T EC7T	PCIe3 LP 2-Port 25/10Gb NIC&ROCE SR/Cu Adapter	2 4
ECW0	800GB Mainstream NVMe U.2 SSD 4k for AIX/Linux Optical Wrap Plug	2
EJ1X EJU5	Storage backplane with four NVMe U.2 drive slots Front IBM Bezel for 8 NVMe-bays	1 1
EM6X	BackPlane Rack-Mount 128GB (2x64GB) DDIMMs, 3200 MHz,	2
EN2B	16GBIT DDR4 Memory PCIe3 LP 16Gb 2-port Fibre Channel	2
EPFQ	Adapter One Processor Core Activation for	8
EPGQ	EPGQ 8-core Typical 3.00 to 3.90 Ghz	1
ESC5	(max) Power10 Processor S&H-a	1
ESWK	AIX Update Access Key (UAK)	39
EU0K	Operator Panel LCD Display	1
EU19	Cable Ties & Labels	1
EXA3	3-Years, ADVANCED EXPERT CARE	1
5313-HPO	IBM Power Software HIPO	1
0649	9105-22B Routing Code	1
0967	Base OS	1

1073	OS Specify code for AIX 7.3	1
5000	Preload	1
5924	English Preinstall PII Language	1
9209	HW No Rack Integrated	1
9675-A03	3-Years, Advanced Expert	1

Server 1: SOFTWARE

Product No.	Description	Qty
5692-A6P	System Software	1
1101	DVD Process No Charge	1
2324	NovaLink (5765-PVS/PVE/VE3)	1
2344	IBM PowerVM V3 VIOS	1
2345	IBM PowerVM V3 Expansion Pack	1
2375	AIX 7.3 Base Install	1
2376	AIX 7.3 Expansion Pack	1
2377 3435	AIX 7.3 Standard Edition Specify (5765-G98) DVD/CD-ROM	1 1
3450	Electronic Delivery 5692-A6P	1
5765-G98	IBM AIX 7 Standard Edition	1
0008	Per Processor Power - Small	6
2377	AIX 7.3 Standard Edition Specify	1
3500	Preload Specifier 5765-G98	1
5773-SM3	3-Year SWMA for 5765-C34/E61/E62/G03/G62/G98	1
1252 Per Processor 3 Yr SWMA Small 1253 Per Processor 3 Yr Small Power 7x24 Support		6 6
5765-VE3 IBM PowerVM Enterprise N/C Edition V3 0005 Per Processor Core N/C (Small)		1 6
5773-PVE 3-Year SWMA for 5765-PVE/VE3 0999 Per Proc SW Maint Registration (Small) 1001 Per Proc 24x7 Support (Small)		6 6
5765-VHX	Hardware Management Console Virtual Appliance x86 based V10	1
0001	Per Install	1
3450	Electronic SW Delivery (ESD)	1
5809	HMC Virtual Appliance V10	1

5662-HMV	3-Year Registration SWMA for 5765-HMV/HMW/VHX	1
1377	Per Install SW Maint 3-Year 24x7 Support	1
1378	Per Install SW Maint 3-Year Reg	1

Server 2: HARDWARE		
Product No.	Description	Qty
9105-22B	Server 2:IBM Power S1022s	1
0265	AIX Partition Specify	1
2146	Primary OS - AIX	1
2319	Factory Deconfiguration of 1-core	2
4650 5000	Rack Indicator- Not Factory Integrated Software Preload Required	1 1
5228	PowerVM Enterprise Edition	6
6458 9300	Power Cord 4.3m (14-ft),Drawer to IBM PDU (250V/10A) English Language Group Specify - US	2 1
9440	New AIX License Core Counter	6
ALH0	Expert Care Indicator	1
EB3N EB46	AC Titanium Power Supply - 2000W for Server (200-240 VAC) 10GbE Optical Transceiver SFP+ SR	2 4
EC2T EC7T	PCIe3 LP 2-Port 25/10Gb NIC&ROCE SR/Cu Adapter 800GB Mainstream NVMe U.2 SSD 4k for AIX/Linux	2 4
ECW0	Optical Wrap Plug	2
EJ1X EJU5	Storage backplane with four NVMe U.2 drive slots Front IBM Bezel for 8 NVMe-bays BackPlane Rack-Mount	1 1
EM6X	128GB (2x64GB) DDIMMs, 3200 MHz,	2
EN2B	16GBIT DDR4 Memory PCIe3 LP 16Gb 2-port Fibre Channel Adapter	2
EPFQ	One Processor Core Activation for EPGQ	8
EPGQ	8-core Typical 3.00 to 3.90 Ghz(max) Power10 Processor	1
ESC5	S&H-a	1
ESWK	AIX Update Access Key (UAK)	39
EU0K	Operator Panel LCD Display	1
EU19	Cable Ties & Labels	1
EXA3	3-Year, ADVANCED EXPERT CARE	1
5313-HPO	IBM Power Software HIPO	1

0649	9105-22B Routing Code	1
0967	Base OS	1
1073	OS Specify code for AIX 7.3	1
5000	Preload	1
5924	English Preinstall PII Language	1
9209	HW not Rack Integrated	1
9675-A03	3-year, Advanced Expert Care	1

Server 2: SOFTWARE		
Product No.	Description	Qty
5692-A6P	System Software	1
1101	DVD Process No Charge	1
2324	NovaLink (5765-PVS/PVE/VE3)	1
2344	IBM PowerVM V3 VIOS	1
2345	IBM PowerVM V3 Expansion Pack	1
2375	AIX 7.3 Base Install	1
2376	AIX 7.3 Expansion Pack	1
2377 3435	AIX 7.3 Standard Edition Specify (5765-G98) DVD/CD-ROM	1 1
3450	Electronic Delivery	1
5765-G98	IBM AIX 7 Standard Edition	1
0008	Per Processor Power - Small	6
2377	AIX 7.3 Standard Edition Specify	1
3500	Preload Specifier	1
5773-SM3	3-Year SWMA for 5765-C34/E61/E62/G03/G62/G98	1
1252 Per Processor 3-Year SWMA Small Power 1253 Per Processor 3-Year Small Power 7x24 Support		6 6
5765-VE3 IBM PowerVM Enterprise Edition V3 0005 Per Processor Core N/C (Small)		1 6
5773-PVE 3-Year SWMA for 5765-PVE/VE3 0999 Per Proc SW Maint Registration 1001 Per Proc 24x7 Support (Small)		1 6 6

OTHER HARDWARE		
Product No.	Description	Qty
4662-6H2	IBM FlashSystem 5200 NVMe Control Enclosure	1
9730	Power Cord - PDU Connection	1
ADN1	Order Type 1 Indicator - CTO	1
AGJW	Shipping and Handling	1
AGSA	4.8TB FlashCore Module 3	6
AHPE	AC Power Supply (Pair)	1
AHZD	All Flash Solution Indicator	1
ALB3	16 Gb FC 4 Port Adapter Cards (Pair)	1
ALG1	512 GB Base Cache	1
ALH0	Expert Care Indicator	1
ALK3	EC Advanced 3 Year	1
4663-A03	3-Year Expert Care Advanced for FS5200	1

OTHER SOFTWARE		
Product No.	Description	Qty
5773-STG	Support Line for Storage 3-Year	1
2000	Support per Server	1
8969-F24	IBM Storage Networking SAN24B-6	1
2461	F24 8 x 32Gbps SW SFP Bundle	1
5835	OM3 Cable LC/LC 5m	4
AGFD	Shipping Charge	1
ALH0	Expert Care Indicator	1
ALK3	EC Advanced 3 Year 8969-F24	1
8924-A03	3-Year IBM Storage Expert Care Advanced	1

OTHER SOFTWARE		
Product No.	Description	Qty
5773-STG	Support Line for Storage 3-Year 2000 Support per Server	1
8969-F24	IBM Storage Networking SAN24B-6	1
2461	F24 8 x 32Gbps SW SFP Bundle	1
5835	OM3 Cable LC/LC 5m	4
AGFD	Shipping Charge	1
ALH0	Expert Care Indicator	1
ALK3	EC Advanced 3-Year	1

8924-A03	3-Year IBM Storage Expert Care Advanced	1

OTHER SOFTWARE		
Product No.	Description	Qty
5773-STG	Support Line for Storage - 3-Year	1
2000	Support per Server	1

NOTE: BELOW IS FOR YOUR REFERENCE ONLY.
Replace (2) 8286-42A-1BA54W/21BA55W IBM S824
Each with:
(6) 32 GB DDR3 Memory
(1) 6-core 3.89 GHz POWER8 Processor Card
(2) 7042-CR9-214EB0D/214EAFD Rack-mounted HMC
***Please note current solution involves EMC storage**