



An ISO 9001 and ISO 45001 certified organisation

# ELANGENI TVET COLLEGE (ETVETC) HEREIN REFERRED TO AS ETVETC REQUEST POTENTIAL BIDDERS FOR PROPOSALS (RFP)

#### **REQUEST FOR PROPOSAL**

## THE SUPPLY AND DELIVERING OF A SERVER INFRASTRUCTURE TO REPLACE AGED DATACENTRE EQUIPMENT FOR A PERIOD OF THIRTY-SIX (36) MONTHS

**TENDER NO.: PU8111/058** 

Prospective Suppliers who are interested in participating in the aforementioned tender are invited to submit a proposal in full compliance to the requirement of this tender document. Completed documents with all attachments must be signed and submitted on the **PURCO SA Website**.

The closing time and date for receipt for online tender **PU8111/058** is at 11h00am on Friday, 30 August 2024.

Tender number	PU8111/058	
Date issued	08 August 2024	
Tender closing date	30 August 2024	11h00am
	Tender Submission will be Electronic on www.purco Supplier Hub- Online Tender Submission Guide	sa.co.za
Compulsory	15 August 2024	10h00am
Information Session	Elangeni TVET College, 15 Portsmouth Road, Pineto	wn, KZN

Company Name		
Address		
Contact person	Mr/Mrs/Ms/Dr/Prof.	
Contact numbers	(w)	(cell)
Email address		

Please see table below for the list of mandatory requirements and tick yes if documentation is submitted and no if not submitted.

Description of Appendix	Requirement	Circle y	
RFP Document	Each page of the RFP document to be initialled by a delegated representative	Yes	No
Completed technical specifications and pricing	A signed copy of the print out of each page of the electronic document	Yes	No
CIPC and Proof of Company Registration	Companies and Intellectual Property Commission and Provide Company Registration Certificate	Yes	No
Tax Pin	An original valid Tax Pin	Yes	No
BBBEE certification (Broad-Based Black	Black SA (05 Points)		
Economic Empowerment	Black Women Ownership (05 Points)		
BBBEE certificate/Affidavit for the assertion of	Disability Ownership (05 Points)	Yes	No
Specific Goals	SMME's (05 Points)		
Declaration of Interest	Please sign point 9 of this tender document and page 5 of specification	Yes	No
Registration National Treasury (CSD)	Provide a copy of the full report of registration on National Treasury Central Supplier Database.	Yes	No
Letter of good standing from the department of labour	Bidders must submit a letter of good standing from the department of labour.	Yes	No
Financial Statements	Provide latest financial statement	Yes	No
Registration with a related professional body	Provide proof of registration with an IT Professional body	Yes	No
Fully signed SBD Forms	Fully complete and sign all SBD forms attached separately.	Yes	No

NB: No points will be allocated to this phase; however, tenders that do not meet the prequalification requirements may not advance to the next phase of the evaluation process.

#### 1.1.1 STAGE 1: EVALUATION OF FUNCTIONALITY

Tenderers need to obtain a minimum percentage score of 42 i.e. 70% and above in order to progress to the next stage of evaluation.

FUNCTIONALITY CRITERIA		POINTS ALLOCATED
Provide three (3) years reference letters supplying similar equipment (Contactable)		
3 Contactable letters of award 2 Contactable letters of award 1 Contactable Reference verified No letters provided	= 30 Points = 20 Points = 10 Points = 00 Points	30
Submission of a Certified storage Engineers' CV		
Submission of Certified copies of qualifications Submission of Professional acrreditation certificates Not Provided	= 10 Points = 10 Points = 00 Points	20
Submission of Original Equipment Manufacturers (OEM) Certificate		10
Submission of OEM Certificate No Submission of OEM Certificate	= 10 Points = 00 Points	
Total Points		60

### **SPECIFICATION:**

NO.	FULL SPECIFICATIONS OF REQUIRED GOODS OR SERVICES	UNIT OF ISSUE	QTY REQ
	SUPPLY AND DELIVER SERVER		
	INFRASTRUCTURE TO REPLACE AGED		
	DATACENTRE EQUIPMENT		
1.	PowerEdge R450 Server		
	O Freight		1
	O 2.5 Chassis		1
	O SAS/SATA Backplane		•
	<ul> <li>Trusted Platform Module 2.0 V3</li> </ul>		
	• 8 x 2.5" (SAS/SATA) 1 CPU		
	O Intel Xeon Silver 4310 2.1G, 12C/24T,		
	10.4GT/s, 18M Cache, Turbo, HT (120W) DDR4- 2666		
	O Blank for 1CPU Configuration		
	O Heatsink for CPU less or equal 165W		
	Performance Optimized		
	O 3200MT/s RDIMMs		
	<ul> <li>32GB RDIMM, 3200MT/s, Dual Rank 16Gb BASE x8</li> </ul>		
	O RAID 5		
	O PERC H755 SAS Front		
	<ul> <li>Front PERC Mechanical Parts, front load</li> </ul>		
	<ul> <li>1.92TB SSD SATA Read Intensive 6Gbps 512</li> </ul>		
	2.5in Hot-plug AG Drive, 1 DWPD,		
	O No Energy Star		
	<ul> <li>UEFI BIOS Boot Mode with GPT Partition</li> </ul>		
	O iDRAC9, Enterprise 15G		_
	<ul> <li>OpenManage Enterprise Advanced</li> </ul>		3
	<ul> <li>Secured Component Verification</li> </ul>		
	O Standard Fan x5		

0	Dual, Hot-plug, Power Supply Redundant (1+1), 800W, Mixed Mode, NAF	
0	C13 to C14, PDU Style, 10 AMP, 6.5 Feet (2m), Power Cord	2
	Riser Config 0, 1xOCP 3.0(x16)+ 1x16LP PowerEdge R450 Motherboard with Broadcom	
0	5720 Dual Port 1Gb On-Board LOM, V4 Broadcom 57412 Dual Port 10GbE SFP+, OCP NIC 3.0	
	No Quick Sync	
	iDRAC Service Module (ISM), NOT Installed	
	iDRAC Group Manager, Enabled	
	No Bezel	
	EMC Lugage Tag (x8) BOSS Riser for R450/R650xs	
	BOSS controller card + with 2 M.2 Sticks 480GB (RAID 1)	
0	EMC PowerEdge SFP+ SR Optic 10GbE 850nm	
	No Operating System	
	No Media Required	
0	A11 drop-in/stab-in Combo Rails Without Cable	
0	Management Arm Cable Management Arm	
	No Internal Optical Drive	2
	No Systems Documentation, No OpenManage DVD Kit	
0	PowerEdge R450 Shipping EMEA1	
	(English/French/German/Spanish/Russian/Hebr ew)	
	PowerEdge R450 x8 Short Drive Shipping Material	
	PowerEdge 1U CCC Marking, No CE Marking	
	PowerEdge Non BIS Marking ProDeploy Server R Series 1U/2U - Deployment	
	ProDeploy Server R Series 10/20 - Deployment	
	Verification	
0	Configuration Services, Standard ISG Channel	
_	System Report, Deliver Via Email	
O	Order Configuration Shipbox Label (Ship Date,	
	Model, Processor Speed, HDD Size, RAM)	
	Asset Tag - ProSupport (Website, barcode, Onboard	
	MacAddress)	
0	ProSupport and Next Business Day Onsite Service	
_	Initial, 36 Month(s)	
O	Basic Next Business Day 36 Months	
Branc	I must equivalent or similar to: <b>Dell or HPE</b>	

	rEdge R650 Servers :	
	PowerEdge R650 Server	3
	Freight	3
	No Backplane	
	No Rear Storage	
	Trusted Platform Module 2.0 V3	
	No HD, No Backplane, 2CPU	
	Intel Xeon Silver 4314 2.4G, 16C/32T,	
0	10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-2666 Intel Xeon Silver 4314 2.4G, 16C/32T,	
	10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-2666 Additional Processor Selected	
	Heatsink for 2 CPU configuration (CPU less than or	
	equal to 165W)	
0	3200MT/s RDIMMs	
0	32GB RDIMM, 3200MT/s, Dual Rank 16Gb BASE x8	
0	Diskless Configuration (No RAID, No Controller)	
0	No Controller	
0	No Hard Drive	
0	iDRAC9, Enterprise 15G	
0	OpenManage Enterprise Advanced	
0	Secured Component Verification	12
	No Energy Star	12
	4 High Performance Fans for 2 CPU	
0	Dual, Redundant (1+1), Hot-Plug Power	
	Supply,1100W MM (100-240Vac) Titanium	6
	C13 to C14, PDU Style, 10 AMP, 6.5 Feet (2m), Power Cord	
0	Riser Config 0, 2CPU, Half Length, Low Profile, 3	
	x16 Slots, SW GPU Capable	
	-,	

0	PowerEdge R650 Motherboard with Broadcom	
0	5720 Dual Port 1Gb On-Board LOM, Ti Broadcom 57412 Dual Port 10GbE SFP+, OCP NIC 3.0	
0	Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	
0	No Quick Sync	
0	iDRAC,Factory Generated Password	
	Emulex LPe31002 Dual Port 16Gb Fibre Channel HBA, PCIe Low Profile, V2	
	iDRAC Service Module (ISM), NOT Installed	
	iDRAC Group Manager, Enabled	
	Standard Bezel	
	Luggage Tray x8 and x10 Chassis, R650 BOSS-S2 controller card + with 2 M.2 480GB (RAID 1)	
0	BOSS Cables and Bracket for R650	
	850nm	
0	No Operating System	
	No Media Required	
	Cable Management Arm	6
	ReadyRails Sliding Rails Without Cable Management Arm or Strain Relief Bar	
0		
	(English/French/German/Spanish/Russian/Hebr ew) R650 Ship 8x2.5	
	PowerEdge R650 Non BIS Marking ➤ PowerEdge	
	R650 CE, CCC, Marking ➤ Enterprise Order - EMEA.	
0	ProDeploy PowerEdge R Series 1u2u	
0	Infrastructure Deployment Selected	
0	Configuration Services, Standard ISG System Report, Deliver Via Email	
0	Order Configuration Shipbox Label (Ship Date,	
0	Model, Processor Speed, HDD Size, RAM) Asset Tag - ProSupport (Website, barcode,	
	Onboard MacAddress)	
0	ProSupport and Next Business Day Onsite Service Initial, 36 Month(s)	
	, , ,	

0	PowerEdge R650 Motherboard with Broadcom	
0	5720 Dual Port 1Gb On-Board LOM, Ti Broadcom 57412 Dual Port 10GbE SFP+, OCP NIC 3.0	
0	Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	
	No Quick Sync	
	iDRAC,Factory Generated Password	
0	Emulex LPe31002 Dual Port 16Gb Fibre Channel HBA, PCIe Low Profile, V2	
0	iDRAC Service Module (ISM), NOT Installed	
	iDRAC Group Manager, Enabled	
	Standard Bezel Luggage Tray x8 and x10 Chassis, R650	
	BOSS-S2 controller card + with 2 M.2 480GB (RAID 1)	
0	BOSS Cables and Bracket for R650	
0	EMC PowerEdge SFP+ SR Optic 10GbE	
^	850nm	
	No Operating System No Media Required	
	Cable Management Arm	6
0	· · · · · · · · · · · · · · · · · · ·	
0	Management Arm or Strain Relief Bar PowerEdge R650 Shipping EMEA1	
	(English/French/German/Spanish/Russian/Hebr ew)	
0	R650 Ship 8x2.5 PowerEdge R650 Non BIS Marking ➤ PowerEdge	
Ū	R650 CE, CCC, Marking ➤ Enterprise Order -	
_	EMEA.	
0	ProDeploy PowerEdge R Series 1u2u	
0	Infrastructure Deployment Selected Configuration Services, Standard ISG System	
_	Report, Deliver Via Email	
0	Order Configuration Shipbox Label (Ship Date, Model, Processor Speed, HDD Size, RAM)	
0	Asset Tag - ProSupport (Website, barcode,	
_	Onboard MacAddress)	
O	ProSupport and Next Business Day Onsite Service Initial, 36 Month(s)	
$\triangleright$	Basic Next Business Day 36 Months	
Brand	d must equivalent or similar to: <b>Dell or HPE</b>	

3.	_	ge Array Shared Storage – All Flash Fibre Channel	
	SANS	Storage:	
	0	ME5024 Storage Array	
	0	Freight	
	0	ME5024 Shipping EMEA 2, No Reg Lbl	
	0	LBL, REG, EMFP, E10J	
	0	32Gb FC Type-B 8 Port Dual Controller	
	0	2X SFP, FC16, 16GB	
	0	2X SFP, FC16, 16GB	
	0	Hard Drive Filler 2.5in, single blank	
	0	3.84TB SSD SAS Read Intensive up to 24Gbps	
		512e 2.5in Hot-Plug 1WPD, AG Drive	40
	0	Rack Rails 2U	13
	0	Power Supply, 580W, Redundant, WW	11
	0	ME Series 2U Bezel	
	0	C13 to C14, PDU Style, 10 AMP, 2 Feet (.6m),	
		Power Cord	
	0	Infrastructure Deployment Selected	
	0	ProDeploy Storage ME 5XXX 2u	
	0	Connectrix DS-6610B-L 8P/24P switch w/rearto-	•
			2
		front afw (incl 8x16Gb SFPs and rack mount kit)	
	0	Freight	
	0	Extended Lifetime Warranty 10 Years	
	0	ProSupport And Next Business Day Onsite	
		Service, 36 Month(s)	2
	0	Infrastructure Deployment Selected	
	0	OM4 LC/LC Multi Mode Fiber Cable (optics	
		required), 5 Meter	
	0	Connectrix C13 Power Cord CEE7/7 plugs 2Meter	2
	0	ProDeploy Hybrid Connectrix Fibre Channel	8
		Switch (up to 4 new hosts)	
	0	Parts Only Warranty 36 Months	
			2
	Brand	must equivalent or similar to: Dell or HPE	
4.	Power	rEdge R750xs Veeam Backup Repositories:	
	>	PowerEdge R750xs	1

	Fuelalit	
0	Freight	1
0	3.5 Chassis	
	SAS/SATA Backplane No Rear Storage	
	2 CPU Configuration	
	Trusted Platform Module 2.0 V3	
	3.5" Chassis with up to 12 Hard Drives (SAS/SATA)	
0	Intel Xeon Silver 4309Y 2.8G, 8C/16T,	
	10.4GT/s, 12M Cache, Turbo, HT (105W) DDR4- 2666	
0	Intel Xeon Silver 4309Y 2.8G, 8C/16T,	
	10.4GT/s, 12M Cache, Turbo, HT (105W) DDR4- 2666	
0	Additional Processor Selected	
0	9	
	Performance Optimized	
	3200MT/s RDIMMs	
0	16GB RDIMM, 3200MT/s, Dual Rank	
	9	
	PERC H755 Adapter, Low Profile	
0	12TB Hard Drive SAS ISE 12Gbps 7.2K 512e	
	3.5in Hot-Plug, AG Drive	
0	Power Saving BIOS Settings	
0	UEFI BIOS Boot Mode with GPT Partition	2
0	No Energy Star	
0	iDRAC9, Enterprise 15G	
	1 9 1	8
	Secured Component Verification	O .
0	High Performance Fan x5	
0	Dual, Redundant(1+1), Hot-Plug Power	
	Supply,1100W MM(100-240Vac) Titanium	
0	C13 to C14, PDU Style, 10 AMP, 6.5 Feet (2m), Power Cord	
0	Riser Config 0, Half Length, Low Profile, 5x16 + 1x4 slots	
0	PowerEdge R750xs Motherboard with	
	Broadcom 5720 Dual Port 1Gb On-Board LOM,	
	Ti	2
0	Broadcom 57412 Dual Port 10GbE SFP+, OCP	
	NIC 3.0	

0	Emulex LPe31002 Dual Port 16Gb Fibre Channel	
0	HBA, PCIe Low Profile, V2 No Quick Sync	
0	iDRAC,Factory Generated Password	
0		
0	•	
	iDRAC Group Manager, Enabled	
	PowerEdge 2U Standard Bezel	
	EMC Luggage Tag R750xs	
0	BOSS-S2 controller card + with 2 M.2 480GB (RAID 1)	
0	BOSS S2 cables and Bracket for R750xs	
0	EMC PowerEdge SFP+ SR Optic 10GbE	
	850nm	
0	No Operating System	
0		2
0	Cable Management Arm, 2U	_
0	ReadyRails Sliding Rails Without Cable	
	Management Arm	
0	No Internal Optical Drive	
0	No Systems Documentation, No OpenManage DVD	
	Kit	
0	PowerEdge R750xs CSP Shipping EMEA1	
	(English/French/German/Spanish/Russian/Hebr ew)	
0	PowerEdge R750xs Shipping Material	
0	PowerEdge Non BIS Marking ➤ PowerEdge 2U	
	CE, CCC, Marking ➤ Enterprise Order - EMEA.	
0	ProDeploy PowerEdge R Series 1u2u	
0	Infrastructure Deployment Selected	
0	Configuration Services, Standard ISG System	
	Report, Deliver Via Email	
0	Order Configuration Shipbox Label (Ship Date,	
	Model, Processor Speed, HDD Size, RAM)	
0	Asset Tag - ProSupport (Website, barcode,	
	Onboard MacAddress)	
0	Basic Next Business Day 36 Months	
0	ProSupport and Next Business Day Onsite Service	
	Initial, 36 Month(s)	
Brand	must equivalent or similar to: <b>Dell or HPE</b>	
D.a.ia		

5.	EMC ML3 Tape Library:	
	O EMC ML3 Tape Library	
	O Freight	
	ML3 LTO8 FC-FH Tape Drive	
	O LTO8 Tape Media, 5 Pack	
	O Cleaning Tape Cartridge for LTO with Barcode Labels ,1 pack	4
	O LTO8 Tape Labels, 1-200	
	Redundant Power Supply for ML3/ML3E Expansion	
	O 0.6M Rack Power Cord C13/C14 12A	
	<ul> <li>ML3 European Docs with UK Power Cord</li> </ul>	
	O Power Vault Order - United Kingdom	
	O Infrastructure Deployment Selected	
	O ML3/ML3E Rack Rails	2
	O ProDeploy Storage TL Series 4u Library	
	O Base Warranty	
	O 3Yr Parts Only Warranty	
	O 3Yr ProSupport and Next Business Day On-Site Service	
	Brand must equivalent or similar to: <b>Dell or HPE</b>	

6.	Ethernet Switches  O H3C S6520X-30QC-EI L3 Ethernet Switch (24SFP	2
	Plus+2QSFP Plus+2Slot), Without Power Supplies  • 40G QSFP+ Cable 3m  • 250W AC Power Supply Module (Power Panel Side Exhaust Airflow)  • Fan Module (Fan Panel Side Exhaust Airflow)	2 4
	O CT-Foundation Basic Service 1Y 7 10 ND, INT O H3C Comp 10GBase-SR SFP+ ,300m	
	O H3C Compatible 10/100/1000Base-TX SFP (Copper, 100	3
	O H3C Compatible 10/100/1000Base-TX SFP (Copper ,100	16
	<ul> <li>LC/UPC - LC/UPC, OM4 Multimode Duplex, 5M</li> <li>5M CAT6 MOULDED FLYLEAD – GREY</li> </ul>	10 4
	O OM4 5m lc/lc multimode fibre channel cables	16
		14 16

7.	30TB	Storevault S3 Compliable Object Storage	
!	servic	ces	12
	0	Year 1 30TB of Storevault S3 Compliable Object	
		Storage services in the cloud per month	
	0	Year 2 30TB of Storevault S3 Compliable Object	12
		Storage services in the cloud per month	
	0	Year 3 30TB of Storevault S3 Compliable Object	4.0
		Storage services in the cloud per month	12

#### **PRICING**

#### PLEASE FIND SPECIFICATION ATTACHED SEPARATELY AND COMPLETE PRICING TABLE ACCORDINGLY:

No	Description	BRAND (Where Applicable)	Total Amount for 36 Months (Incl VAT)
1	PowerEdge R450 Server		R
2	PowerEdge R650 Servers		R
3	Storage Array Shared Storage – All Flash Fibre Channel SAN Storage:		R
4	PowerEdge R750xs Veeam Backup Repositories		R
5	EMC ML3 Tape Library		R
6	Ethernet Switches		R
7	30TB Storevault S3 Compliable Object Storage services		R
	Total Tender Amount fo		