



KENYA EDUCATION NETWORK

(KENET)

University of Nairobi,

Jomo Kenyatta Memorial Library,

P.O Box 30244 – 00100, Nairobi

Request for Quotations

for

KENET Community Cloud & Research Infrastructure Servers

1. Background

The Kenya Education Network Trust (KENET) (<http://www.kenet.or.ke>) is a not-for-profit membership organization that is licensed by the Communications Commission of Kenya as an Alternative Network Facility Provider. KENET is the National Research and Education Network (NREN) of Kenya and provides broadband Internet services to the higher education and research community in partnership with other licensed telecommunications operators. It also conducts ICT in education research and pilots innovative learning technologies in collaboration with faculty and students in member institutions.

KENET seeks to procure server infrastructure to meet expanding data centre requirements at its data centres located in Nairobi.

2. Technical Requirements

KENET desires to acquire new community cloud and research server infrastructure to upgrade the existing infrastructure equipment. The new community cloud and research server infrastructure equipment is composed of Dell PowerEdge R940, Dell PowerEdge R740xd servers and related accessories as defined in Table 1. The new community cloud and research server infrastructure will assist KENET in refreshing existing hosting and cloud applications to support users within the KENET community.

Table 1: Bill of Quantities for Hosting & Cloud Server Infrastructure.

Item	Item Description/Minimum Specifications	Quantity
VMWare Cloud Servers: Dell PowerEdge R940	<ul style="list-style-type: none">Detailed description in Table 2 “<i>Configuration of VMWare Cloud Server Infrastructure - PowerEdge R940 Rack Server</i>”	4
Community & Research Cloud Servers: Dell PowerEdge R740xd	<ul style="list-style-type: none">Detailed description in Table 3 “<i>Configuration of Community Cloud Server Infrastructure - PowerEdge R740xd Rack Server</i>”	8
10GbE Adapters for existing Servers	<ul style="list-style-type: none">Detailed description in Table 4 “<i>Configuration of Server Accessories</i>”	1

2.1. VMWare Cloud Servers - Dell PowerEdge R940

The new VMWare cloud server infrastructure defined in Table 1 above are required with minimum specifications and configurations defined in Table 2 below (Summary **Table 1 are Dell PowerEdge R940 Rack Servers with customized configurations of CPU, memory and related accessories from the default Dell Server configurations as shown in Table 2 below**);

Table 2: Configuration of VMWare Cloud Server Infrastructure - PowerEdge R940 Rack Server.

VMWare Cloud Server Infrastructure: PowerEdge R940 Rack Server		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
PowerEdge R940 Server	1	210-AKWP
EX-Works	1	990-10090
2.5" Chassis with up to 24 Hard Drives	1	321-BCMQ
2x Additional Processor Selected	1	379-BDNR
4 CPU Heatsink, 3UPI	1	379-BCQQ
Performance Optimized	1	370-AAIP
No Operating System	1	619-ABVR
No Media Required	1	605-BBFN
Unconfigured RAID	1	780-BCDS
Power Saving Dell Active Power Controller	1	750-AABF
UEFI BIOS Boot Mode with GPT Partition	1	800-BBDM
PowerEdge R940 Motherboard	1	329-BEOP
Dell/EMC LCD Bezel for PowerEdge R940	1	350-BBJJ
Dell EMC Luggage Tag	1	350-BBJQ
No Quick Sync	1	350-BBJG
ReadyRails Sliding Rails	1	770-BCGC
Cable Management Arm	1	770-BCGD
iDRAC,Legacy Password	1	379-BCSG
iDRAC Group Manager, Disabled	1	379-BCQY
Order Configuration Shipbox Label (Ship Date, Model, Processor Speed, HDD Size, RAM)	1	293-10049
Consolidation Fee ESG	1	991-10021

VMWare Cloud Server Infrastructure: PowerEdge R940 Rack Server		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
No Systems Documentation, No OpenManage DVD Kit	1	631-AACK
PowerEdge R940 Shipping Material	1	343-BBFE
PowerEdge R940 CE and BIS Marking, No CCC Marking	1	389-DSYD
PowerEdge R940 Shipping, EMEA2 v2	1	343-BBPN
Asset Tag - ProSupport (Website, barcode, Onboard MacAddress)	1	293-10025
Enterprise Order - EMEA.	1	800-11671
Parts Only Warranty 12 Months	1	709-BBIZ
No Trusted Platform Module	1	461-AADZ
2x Intel Xeon Gold 5218 2.3G, 16C/32T, 10.4GT/s, 22M Cache, Turbo, HT (125W) DDR4-2666	2	338-BSEV
2933MT/s RDIMMs	1	370-AEPP
32GB RDIMM, 2933MT/s, Dual Rank	24	370-AEQH
PERC H730P RAID Controller, 2GB NV Cache, Adapter, Full Height	1	405-AAMR
900GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	5	400-ASGV
Dual, Hot-plug, Redundant Power Supply (1+1), 1600W, 250 Volt Power Cord Required for Use	1	450-AFMQ
C13 to C14, PDU Style, 10 AMP, 13 Feet (4m), Power Cord	2	450-AADZ
iDRAC9, Express	1	385-BBKS
QLogic FastLinQ 41164 Quad Port 10GbE BASE-T, rNDC	1	555-BDYB
SFP+, SR, Optical Transceiver, Intel, 10Gb-1Gb	4	407-BBVK
Intel X710 Quad Port 10GbE Direct Attach SFP+ Adapter, PCIe Full Height	1	540-BBHQ
Emulex LPE 12000 Single Port 8Gb Fibre Channel HBA, PCIe Full Height	2	406-BBDS
No Installation Service Selected (Contact Sales Rep for more details)	1	683-11870

VMWare Cloud Server Infrastructure: PowerEdge R940 Rack Server		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
ProSupport Plus Next Business Day Onsite Service Extension, 48 Month(s)	1	865-BBLR
ProSupport Plus Next Business Day Onsite Service Initial, 12 Month(s)	1	865-BBLS

2.2. Community & Research Cloud Servers - Dell PowerEdge R740xd

The new Community cloud server infrastructure defined in Table 1 above are required with minimum specifications and configurations defined in Table 3 below (Summary in **Table 1 are Dell PowerEdge R740xd Rack Servers with customized configurations of CPU, memory and related accessories from the default Dell Server configurations as shown in Table 3 below**);

Table 3: Configuration of Community Cloud Server Infrastructure - PowerEdge R740xd Rack Server.

Community Cloud Server Infrastructure: PowerEdge R740xd Rack Server		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
PowerEdge R740XD Server	1	210-AKZR
EX-Works	1	990-10090
No Trusted Platform Module	1	461-AADZ
Additional Processor Selected	1	379-BDCO
Performance Optimized	1	370-AAIP
2933MT/s RDIMMs	1	370-AEPP
32GB RDIMM, 2933MT/s, Dual Rank	16	370-AEQH
No Operating System	1	619-ABVR
No Media Required	1	605-BBFN
Unconfigured RAID	1	780-BCDS
PERC H740P RAID Controller, 8GB NV Cache, Mini card	1	405-AANQ
Power Saving Dell Active Power Controller	1	750-AABF
UEFI BIOS Boot Mode with GPT Partition	1	800-BBDM

Community Cloud Server Infrastructure: PowerEdge R740xd Rack Server		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
6 Performance Fans for R740/740XD	1	384-BBPZ
PE R740XD Luggage Tag	1	389-BTTO
ReadyRails Sliding Rails With Cable Management Arm	1	770-BBBR
iDRAC, Factory Generated Password	1	379-BCSF
Consolidation Fee ESG	1	991-10021
PowerEdge R740/R740XD Motherboard	1	329-BEIK
Enterprise Order - EMEA.	1	800-11671
Asset Tag - ProSupport (Website, barcode, Onboard MacAddress)	1	293-10025
Order Configuration Shipbox Label (Ship Date, Model, Processor Speed, HDD Size, RAM)	1	293-10049
No Systems Documentation, No OpenManage DVD Kit	1	631-AACK
PowerEdge R740 Shipping Material	1	343-BBFG
PowerEdge R740 CE, CCC, BIS Marking	1	389-DTDL
PowerEdge R740xd Shipping EMEA2 (English/Slovenian/Slovakian/Polish/Czech/Hungar/Greek/Arab)	1	340-COWE
Parts Only Warranty 12 Months	1	709-BBIW
Chassis with up to 24x2.5" HDs, Mid-Bay Removed, 4x2.5" HDDs in FB for 1 and 2 CPU	1	321-BDKE
Intel Xeon Gold 6230 2.1G, 20C/40T, 10.4GT/s, 27.5M Cache, Turbo, HT (125W) DDR4-2933	2	338-BRVN
Standard 1U Heatsink	2	412-AAIQ
2.4TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive	24	400-AVEZ
Dual, Hot-plug, Redundant Power Supply (1+1), 1100W	1	450-ADWM
C13 to C14, PDU Style, 10 AMP, 13 Feet (4m), Power Cord	2	450-AADZ

Community Cloud Server Infrastructure: PowerEdge R740xd Rack Server		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
Riser Config 1, 4 x8 slots	1	330-BBHF
iDRAC9, Express	1	385-BBKS
iDRAC Group Manager, Disabled	1	379-BCQY
Broadcom 5720 Quad Port 1GbE BASE-T, rNDC	1	540-BBBW
300GB 15K RPM SAS 12Gbps 512n 2.5in Flex Bay Hard Drive	2	400-ARWY
SFP+, SR, Optical Transceiver, Intel, 10Gb-1Gb	4	407-BBVK
Intel X710 Quad Port 10GbE Direct Attach SFP+ Adapter, PCIe Full Height	1	540-BBHQ
PowerEdge 2U LCD Bezel	1	325-BCHV
No Quick Sync	1	350-BBJV
No Installation Service Selected (Contact Sales Rep for more details)	1	683-11870
ProSupport Plus Next Business Day Onsite Service Extension, 48 Month(s)	1	865-BBLR
ProSupport Plus Next Business Day Onsite Service Initial, 12 Month(s)	1	865-BBLS

2.3. 10GbE Adapters for Existing Servers

The Server Accessories defined in Table 1 above are required with minimum specifications and configurations defined in Table 4 below (**Summary in Table 1 are PCIe 10GbE Adapters and SFP+ Transceivers for use in existing servers as shown in Table 4 below**);

Table 4: Configuration of 10GbE Adapters for existing Servers

10GbE Adapters for existing Servers		
CATALOGUE NUMBER / DESCRIPTION	QTY	SKU
Broadcom 57412 Dual Port 10Gb, SFP+, PCIe Adapter, Low Profile, Customer Install	5	540-BBVL
SFP+, SR, Optical Transceiver, Intel, 10Gb-1Gb, Customer Install	10	407-BBVJ

3. Qualification and Experience

A professional equipment vendor with experience in the supply of Dell Servers. The bidder shall provide three recent references of similar supplies, valid documentation as authorized reseller of Dell Servers and a brief profile of the company including years of operation and latest financial statements. Table 5 below gives the mandatory requirements for award.

Table 5: Mandatory Requirements.

No	Required Item	Comply/ Not Comply	Comments
1	Certificate of Incorporation		
2	VAT certificate		
3	PIN certificate		
4	TAX compliance certificate		
6	Bidders shall be required to submit latest audited accounts. The accounts shall not be older than two financial years from the current calendar year		
7	Financial strength of the bidder- i. Turnover for the financial year shall be ≥ 3 times the bid price ii. Working capital for the latest financial year should be positive		
8	Three references of companies where similar equipment have been supplied in the last three years		
9	Valid documentation as authorized dealer of Dell Servers under supply		

4. Evaluation Criteria

The evaluation criteria shall be as follows:

- i. Preliminary evaluation based on the mandatory requirements as shown in Table 5 above.
- ii. Technical evaluation as stipulated in the technical requirements above.
- iii. Financial capacity and strength as shall be established from the audited copies of financial statements.

Note that once you fail at one stage you will not proceed to the next stage. The flow of evaluation will be as enumerated above.

5. Delivery Requirements

The quotation must clearly indicate the following:

1. Bidders must quote for all items in the RFQ
2. The financial quotation **MUST** clearly indicate and separate the quotations for mandatory items and any proposed optional items.
3. The quotations shall be in **Kenya Shillings**.
4. The Quotations must indicate the warranty periods.
5. The equipment should have the latest software version installed.
6. Quote **MUST** clearly indicate delivery timelines from the date of the LPO.
7. Partial delivery of the order upon award shall be acceptable for quoted items that are readily available.
8. Quote **MUST** indicate the validity time of the quotation.
9. Quote **MUST** include all relevant taxes.
10. Payment terms are 30 days from the invoice date presented after delivery.
11. All items **MUST** be delivered to our Offices at the Jomo Kenyatta Memorial Library – University of Nairobi, Main Campus.

6. Submission of quotation

Bidders must provide **online submissions** via external download link that is password protected. Notifications for submission of quotations must be received via email on or before the bid submission deadline of 1st July, 2020 at 1100HRS. All email notifications of submissions **MUST** be sent to procurement@kenet.or.ke. Submissions shall comply with the following guidelines:

1. All submissions **MUST** be accompanied by an email with detail of the download link and password. Email notifications shall be sent to procurement@kenet.or.ke
2. All submissions **MUST** indicate in the subject the tender name
3. In the body of the email notification, the name of the company bidding **MUST** be indicated
4. Bidders can opt to compress or archive their file upload in one of the following file archival formats; .ZIP, .TAR or .GZIP. All other file archival or compression formats shall **NOT be accepted**
5. KENET shall send email response to confirm receipt of each submission

7. Inquiries

For any inquiries concerning the RFQ, please contact KENET procurement office via email on procurement@kenet.or.ke.