# KENYA REVENUE AUTHORITY

ISO 9001:2015 CERTIFIED

## CLARIFICATION / ADDENDUM "SET 1"

21ST MAY, 2021.

To all Prospective bidders,

**REF: TENDER NO.KRA/HQS/NCB -061 /2020-2021 – RENEWAL OF SERVICES FOR HUAWEI LICENCES & DARK FIBER SERVICES**

Kenya Revenue Authority wishes to inform prospective bidders of the clarifications / addendum highlighted below:

| No. | Tender Instruction | KRA Responses |
|---|---|---|
| 1. | Huawei Servers and SAP HANA Infrastructure Licences Renewal, Support & Maintenance for a period of two (2) years | The Technical Proposal has been amended. Bidders are required to use Clarification / addendum Set 1 (**Annex 1**) while responding to **LOT 1.** |
| 2. | Dark Fiber Infrastructure Licences & Support Renewal for a period of two (2) years | The Technical Proposal has been amended. Bidders are required to use Clarification / addendum Set 1 (**Annex 2** ) while responding to **LOT 2.** |
| 3. | 8.1 Form of Tender | The Form of Tender has been expunged and replaced with a Revised Form of Tender. Bidders are required to use Clarification / addendum Set 1 **Revised Form of Tender**. |
| 4. | **Note:**<br>• Prospective bidders are hereby advised to take note of **Annex 1** and **Annex 2**<br>• Prospective bidders are hereby advised to align their Tender Security to the new tender opening date i.e **31st May, 2021** to be valid upto and including **30th May, 2022.** | |

The clarification / addendum form part of the bidding document and is binding to the bidder. All other terms and conditions of the tender remain the same. You are therefore required to immediately acknowledge the receipt of this addendum.

Regards,

**Benson Kiruja**
**For: Deputy Commissioner - Supply Chain Management**
BM

# KENYA REVENUE AUTHORITY

ISO 9001:2015 CERTIFIED

## "ADDENDUM"

## Revised Form of Tender

| **8.1    FORM OF TENDER** |
| --- |
| Date _____ |
| Tender No. _____ |
| To: KENYA REVENUE AUTHORITY |
|    P. O. BOX 48240 – 00100, NAIROBI. |
| |
| Gentlemen and/or Ladies: |
| |
|   1. Having examined the tender documents including Addenda |
| Nos. ..................................... *[insert numbers]* the receipt of which is hereby duly acknowledged, we, the undersigned, offer to **Lot 1- Huawei Servers and SAP HANA Infrastructure Licences Renewal, Support & Maintenance for a period of two (2) years** in conformity with the said tender documents for the sum of ............................................................................................................................... ................................................................................ (total tender amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender. <br><br> we, the undersigned, offer to **Lot 2- Dark Fiber Infrastructure Licences & Support Renewal for a period of two (2) years** in conformity with the said tender documents for the sum of ............................................................................................................................... ................................................................................ (total tender amount in words and figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender. |
| |
|   2.  We undertake, if our Tender is accepted, to deliver install and commission the equipment in accordance with the delivery schedule specified in the Schedule of Requirements. |
| |
|   3.  If our Tender is accepted, we will obtain the guarantee of a bank in a sum of equivalent to _____ percent of the Contract Price for the due performance of the Contract , in the form prescribed by ................... ...................( *Procuring entity).* |
| |
|   4.  We agree to abide by this Tender for a period of **335 days** from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period. |
| |
|   5.  This Tender, together with your written acceptance thereof and your notification of award, shall constitute a Contract, between us. Subject to signing of the Contract by the parties. |
| |
|   6.  We understand that you are not bound to accept the lowest or any tender you may receive. |

| Dated this _____ day of _____ 20 _____ |
|---|
| [signature]                                    [in the capacity of] |
| Duly authorized to sign tender for an on behalf of _____ |

## LOT 1: HUAWEI SERVERS AND SAP HANA INFRASTRUCTURE LICENCES RENEWAL, SUPPORT AND MAINTENANCE FOR TWO (2) YEARS

# SECTION VI- TECHNICAL SPECIFICATION

**General Descriptive Environment:**

Kenya Revenue Authority has deployed an elaborate IT infrastructure to facilitate provision of online services. The ICT Infrastructure covers the main areas on IT security, Networks, Compute and Storage among others.

**Particular Requirements:**

Kenya Revenue Authority proposes to procure the following Licenses and Support Services for a two (2) Year contract period commencing from the signing of contract. The licenses services **ARE PAYABLE ANNUALLY** during the contract period while support and maintenance services are paid **QUARTELLY** upon delivery of such services.

1.  Renewal of existing for Compute and SAP HANA Solutions

    a) Licenses for Huawei Blade and Standalone servers (3 x Blade E9000 Chassis, 36 x Blade E9000 Servers, 16 X Huawei RH5885H V3, 3x Huawei SAP HANA Appliance)

    b) OEM direct premium support for Huawei Servers

    c) Vendor's onsite Implementation, Maintenance and support services/SLA for the Compute install base

**PART A: MANDATORY OVERALL REQUIREMENTS.**

**Instructions to Bidders:**

1.  **Bidders <u>MUST</u> complete the Table below in the format provided.**
2.  **Bidders <u>MUST</u> provide a substantive response in the format provided, irrespective of any attached technical documents. Use of Yes, No, tick, compliant etc. in these Tables will be considered Non Responsive.**
3.  **Bids MUST meet all requirements in the Table below in order to be considered for further evaluation.**

**Table 1: SOFTWARE AND PARTNERSHIP REQUIREMENT**

|   | Requirement | Minimum Requirements | Bidders Response (Narrative answers) |
|---|---|---|---|
| 2 | License quantity | Licenses provided MUST cover ALL the Part Numbers, Products and Stock Keeping Units (SKU) in **Table 5** |   |

| 3 | OEM Partnerships | Successful bidder MUST also have Value Added Reseller Partnerships with the OEM. Provide the partnership certificate and authorization form. | |
| 4 | Manufacturers OEM Support | All Equipment and Services MUST be covered under manufacturer's direct premium technical support services, including Accelerated hardware/part replacement options, Operating system updates, direct access to Manufacturer's technical assistance team, online troubleshooting / support tools .This includes equipment Part Numbers, Products and Stock Keeping Units (SKU) in Table 5 | |
| 5 | Configuration,Optimisation Maintenance and Support | Successful bidder MUST provide two ( 2) years onsite Implementation, Maintenance and Support Service Level Agreement(SLA) covering all Software, ,Part Numbers, Products and Stock Keeping Units (SKU) in Table 5 | |
| | | Bidders MUST provide details (provide a summary here and attach CVs) of the specific staff who will deployed to offer the services and indicate their relevant qualifications. | |

## PART B. MANDATORY TECHNICAL REQUIREMENTS

**Instructions to Bidders:**

1. Bidders <u>MUST</u> complete the Table below in the format provided.
2. Bidders <u>MUST</u> provide a substantive response in the format provided, irrespective of any attached technical documents. Use of Yes, No, tick, compliant etc. in these Tables will be considered Non Responsive.
3. Bids MUST meet all requirements in the Table below in order to be considered for further evaluation.

**Table 2: HARDWARE AND TECHNICAL REQUIREMENTS**

| Item No | Feature | Bidders MUST ensure that the implementation meets the following Minimum requirements | Bidders Response/Commitment (Narrative answers) |
|---|---|---|---|
| 1 | General descriptive Requirement | The bidder SHOULD, configure and optimize the equipment/product/solution to operationalize ALL available/licensed features for the all the equipment/products covered in Table 5. | |

| | | | | |
|---|---|---|---|---|
| 2 | Configuration, optimimisation and maintenance of all available/licensed features | Successful bidder will be required to:<br>• Periodically review the working and effectiveness of current implementation.<br>• Undertake additional configurations as may be required.<br>• Optimize the implementation to guarantee ROI<br>• Undertake solution preventive maintenance and including upgrades, patching etc | | |
| 3 | Onsite troubleshooting and support | Successful bidder will be required to provide 24x7 NBD onsite support and troubleshooting so as to ensure that the solution is fully operational at all times. | | |

## PART C: TECHNICAL SPECIFICATIONS FOR PROJECT IMPLEMENTATION AND SUPPORT

### Instructions to Bidders:

1. Bidders **MUST** complete the Table below in the format provided.
2. Bidders **MUST** provide a substantive response in the format provided, irrespective of any attached technical documents. Use of Yes, No, tick, compliant etc. in these Tables will be considered Non Responsive.

### Table 3: CLAUSE BY CLAUSE TECHNICAL REQUIREMENTS

| Item No | Feature | Minimum requirements | Max Score | Bidders Response (Narrative answers)/ Commitment |
|---|---|---|---|---|
| 1 | Delivery ,Installation and testing of licenses | • Bidder should provide a schedule for delivery of licenses and relevant documentation.<br>• The bidder should state schedule of services for license installation and system integration.<br>• The bidder should provide a schedule of any additional infrastructure components to be provided by the Authority to enable successful license renewals and/or new license installations. | 20 | |
| 2 | Review of current design and implementation, fine tuning, optimization, and testing the entire firewall solution. | • The bidder should provide a semi-annual schedule for Review of current design and implementation, fine-tuning, optimization, and testing the entire firewall solution. | 10 | |
| 3 | Documentation of the Implementation, development and delivery of the User Procedures for the entire solution. | • The bidder should provide a schedule of activities leading to development and delivery of comprehensive technical documentation, manuals etc. for the entire products and solutions for smooth operation and support of the solutions. | 10 | |

| 4 | Provision of maintenance and support | • Successful bidder will be expected to provide an SLA covering the entire IT solutions for a contract period of two (2) years, renewable annually. This includes periodic solution review and maintenance, Hardware, equipment and parts maintenance and upgrades, and 8x5xNBD on-site support. | 10 | |
|---|---|---|---|---|
| 5 | Provision of Work Plan | • The bidder should provide a detailed work plan for the supply, delivery, installation, testing, system integration and provision of all other requested services for the successful implementation of the entire IT infrastructure solution. | 10 | |
| | **Prorated Total Scores is 60 marks.**<br>**Prorated Cut off scores is 42 marks** | | **60** | |

## SECTION VII- PRICE SCHEDULE

**Instructions to Bidders:**

1. **Bidders <u>MUST</u>  complete the Table below in the format provided.**

- **NB:** A two (2) year contract period, **PAYABLE ANNUALLY** applies to all Licenses and Support Services under this procurement.
- **Grand Total Cost for the 2 years (Framework Contract) –To be moved to Form of Tender.**

**Table 4: PRICE SCHEDULE**

| Item No | Item description | Name of Goods or Related Service | Bidder's Response Total cost( Tax Inc) |
|---|---|---|---|
| 1 | Compute and SAP HANA Appliance | • Huawei intel blade E9000 chassis, intel blade E9000 servers, intel high performance RH5885H v3 servers,Huawei SAP HANA Appliance as contained in **Table 5** below.<br>• Vendors' onsite Implementation, Maintenance and support services for compute and SAP HANA Appliance infrastructure as contained in **Table 5** below.<br><br>The bidder **MUST** provide licensing support and maintenance for all the products contained in the **PRODUCTS, EQUIPMENT AND PARTS SUPPORT SCHEDULE** | |
| **Grand Total Cost for the 2 years (Framework Contract) –To be moved to Form of Tender.** | | | |

**N/B:**
1. **All prices quoted must be inclusive all applicable taxes in Kenya.**
2. **Affix Company Stamp on this page.**

*Tenderer's Signature:* _____

*Date:* _____

## PRODUCTS, EQUIPMENT AND PARTS SUPPORT SCHEDULE

### Instructions to Bidders

1. Bidders MUST complete the Table below in the format provided.

2. Bidders MUST Indicate Compliance to both Direct OEM Support and Vendors Onsite Implementation, Maintenance and support /SLA services requirements against the Products as listed. Yes, No, Compliant etc. may be used in this Table.

3. Compliance to both OEM support Requirements and Vendors onsite Implementation, Maintenance and support services Requirement is MANDATORY for the successful bidder.

### Table 5 SERVERS AND SAP HANA APPLIANCE INVENTORY

| PART NO | ITEM/FEATURE | QTY | Bidder's Response |
|---|---|---|---|
| **2. HUAWEI INTEL BLADE E9000 CHASSIS** | | | |
| 2301028 | 12U high-powered integrative module with Delivery Accessory | 3 | |
| 3054675 | MM910,Shelf Management Module A | 6 | |
| 03030QEJ | OSCA Fan Box | 42 | |
| 02311HNU | PAC2000S12-TE2 Titanium AC power supply unit | 18 | |
| 3054850 | CX311,16*10GE+8*8G FC Converged Switch Module | 6 | |
| 02310VEK | Optical Transceiver,SFP+, 850nm, 8.5G, -8.2dBm~-1.3dBm,-11.2dBm,LC,MMF,0.15km | 12 | |
| 2318169 | Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC) | 12 | |
| 21240817 | 4U Static Rail Kit | 3 | |
| **3. HUAWEI INTEL BLADE E9000 SERVERS** | | | |
| 3056132 | Grantley EP Compute Node,CH121 V3 | 36 | |
| 41020566 | Intel Xeon E5-2683 v4(2.1GHz/16-core/40MB/120W) Processor | 72 | |
| 6200224 | DDR4 RDIMM Memory,32GB,2400MT/s,2Rank(2G*4bit),1.2V,ECC | 576 | |
| 02310YCH | HDD,1000GB,SATA 6Gb/s,7.2K rpm,64MB,2.5inch(2.5inch Drive Bay) | 72 | |
| 03022QKU | RU130(LSI3008) SAS/SATA RAID Card,RAID0,1,1E,10,12Gb/s,no Cache | 36 | |
| 03022ATY | MZ512,4*10G Port CNA Mezzanine Card, PCIE 2.0 X8 | 72 | |
| **4. HUAWEI INTEL HIGH PERFORMANCE RH5885H V3 SERVERS** | | | |
| 02311GYE | RH5885H V3 (8*2.5inch HDD Chassis,E7 v3,DVD)H58H-03 | 16 | |
| 03022SPP | RH5885H V3 DDR4 memory riser(12DIMM) | 128 | |
| 03022TQY | SM212 Onboard NIC,4xGE Electrical Interface(I350),RJ45 | 16 | |
| 02310SFW | PCIe Riser Card,6 slot(x8,x8,x8,x8,x8,x4,x4),used for RH5885H V3 | 16 | |
| 02310PTH | 2000W platinum AC power supply unit | 32 | |
| 02311HFH | Intel Xeon E7-8891 v3(2.8GHz/10-core/45MB/165W) Processor (with heatsink) | 64 | |
| 6200201 | DDR4 RDIMM Memory,32GB,2133MT/s,2Rank(2G*4bit),1.2V,ECC | 512 | |

| | | | |
|---|---|---|---|
| 02311HAN | HDD,1200GB,SAS 12Gb/s,10K rpm,128MB or above,2.5inch(2.5inch Drive Bay) | 32 | |
| 02311HAJ | SSD,1600GB,SAS 12Gb/s,Write Intensive,Sunset Cove Plus Series,2.5inch(2.5inch Drive Bay),ME Series | 32 | |
| 02311FYL | SR320BC(LSI2208) SAS/SATA RAID Card,RAID0,1,5,6,10,50,60,6Gb/s,512MB Cache,used for RH5885 V3/RH5885H V3 | 16 | |
| 02310XDA | LSI2208 RAID Card SuperCap(include cable,bracket),used for RH5885 V3/RH5885H V3/RH8100 V3 | 16 | |
| 6030220 | Qlogic,FC HBA,8Gb,2-Port,SFP+(with 2x Multi-mode Optical Transceiver),PCIe 2.0 x4 | 32 | |
| 6030223 | EMULEX,CNA-FCoE,10Gb,2-Port,SFP+(with 2x Multi-mode Optical Transceiver),PCIe 2.0 x8 | 32 | |
| 21240142 | 4U Static Rail Kit | 16 | |
| **5. HUAWEI SAP HANA Appliance** | | | |
| 02311NDP | Basic Configuration of SAP HANA(E7 v3,4*GE,2*2KW AC,DVD)H58H-03 | 3 | |
| 02311HFF | Intel Xeon E7-8880 v3(2.3GHz/18-core/45MB/150W) Processor (with heatsink) | 6 | |
| 03022SPP | RH5885H V3 DDR4 memory riser(12DIMM) | 12 | |
| 6200201 | DDR4 RDIMM Memory,32GB,2133MT/s,2Rank(2G*4bit),1.2V,ECC | 72 | |
| 02311HAP | HDD,600GB,SAS 12Gb/s,10K rpm,128MB or above,2.5inch(2.5inch Drive Bay) | 6 | |
| 02311HAL | HDD,900GB,SAS 12Gb/s,10K rpm,128MB or above,2.5inch(2.5inch Drive Bay) | 24 | |
| 02310SFW | PCIe Riser Card,6 slot(x8,x8,x8,x8,x8,x4,x4),used for RH5885H V3 | 3 | |
| 02310YHP | Ethernet Adapter,10Gb Optical Interface(Intel 82599),2-Port,SFP+(without Optical Transceiver),PCIe 2.0 x8 | 6 | |
| 02311JFG | ES3000 V2 PCIE SSD CARD(800GB,NONE HOT PLUG) | 6 | |
| 2318169 | Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC) | 12 | |
| 5200492 | Operating System Software,Red Hat Enterprise Linux Server for SAP HANA, Premium (Physical or Virtual Nodes), 2-socket,3 year,English,Enterprise,6.x,English Document,3years7*24service,English,English Document,,Electronic | 3 | |
| 5200494 | Operating System Software,Red Hat Enterprise Linux Server for HA,English,enterprise,6.x,English Document,3 years-2 socket,English,English Document,Electronic | 3 | |

## LOT 2: PROVISION OF LICENSES & SUPPORT FOR DARK FIBER INFRASTRUCTURE FOR A PERIOD OF TWO (2) YEARS.

# SECTION VI- TECHNICAL SPECIFICATION

**General Descriptive Environment:**

Kenya Revenue Authority has deployed an elaborate IT infrastructure to facilitate provision of online services. The ICT Infrastructure covers the main areas on IT security, Networks, Compute and Storage among others.

## Particular Requirements:

Kenya Revenue Authority proposes to procure the following Licenses and Support Services for a two (2) Year contract period commencing from the signing of contract. The licenses services **ARE PAYABLE ANNUALLY** during the contract period while support and maintenance services are paid **QUARTELLY** upon delivery of such services.

1. Renewal of existing Dark Fiber Infrastructure.
    a) RADCare Licenses for all the Dark Fiber Infrastructure .
    b) OEM direct premium support.
    c) Vendor's onsite Implementation, Maintenance and support services/SLA for all the Dark Fiber Infrastructure install base

PART A: MANDATORY OVERALL REQUIREMENTS.

<u>Instructions to Bidders:</u>
1. **Bidders <u>MUST</u> complete the Table below in the format provided.**
2. **Bidders <u>MUST</u> provide a substantive response in the format provided, irrespective of any attached technical documents. Use of Yes, No, tick, compliant etc. in these Tables will be considered Non Responsive.**
3. **Bids MUST meet all requirements in the Table below in order to be considered for further evaluation.**

Table 1: SOFTWARE AND PARTNERSHIP REQUIREMENT

| | Requirement | Minimum Requirements | Bidders Response (Narrative answers) |
|---|---|---|---|
| 2 | License quantity | Licenses provided MUST cover ALL the Part Numbers, Products and Stock Keeping Units (SKU) in **Table 5** | |
| 3 | OEM Partnerships | Successful bidder MUST also have Value Added Reseller Partnerships with the OEM.Provide the partnership certificate and authorization form. | |

| 4 | Manufacturers OEM Support | All Equipment and Services **MUST** be covered under manufacturer's direct premium technical support services, including Accelerated hardware replacement options, Operating system updates, direct access to Manufacturer's technical assistance team, online troubleshooting / support tools .This includes equipment Part Numbers, Products and Stock Keeping Units (SKU) in **Table 5** | |
| 5 | Configuration,Optimisation Maintenance and Support | Successful bidder **MUST** provide two ( 2) years onsite Implementation, Maintenance and Support Service Level Agreement(SLA) covering all Software, ,Part Numbers, Products and Stock Keeping Units (SKU) in **Table 5** | |
| | | Bidders **MUST** provide details (provide a summary here and attach CVs) of the specific staff who will deployed to offer the services and indicate their relevant qualifications. | |

## PART B. MANDATORY TECHNICAL REQUIREMENTS

**Instructions to Bidders:**

1. Bidders <u>MUST</u> complete the Table below in the format provided.
2. Bidders <u>MUST</u> provide a substantive response in the format provided, irrespective of any attached technical documents. Use of Yes, No, tick, compliant etc. in these Tables will be considered Non Responsive.
3. Bids MUST meet all requirements in the Table below in order to be considered for further evaluation.

**Table 2: HARDWARE AND TECHNICAL REQUIREMENTS**

| Item No | Feature | Bidders MUST ensure that the implementation meets the following Minimum requirements | Bidders Response (Narrative answers) |
|---|---|---|---|
| 1 | General descriptive Requirement | The bidder SHOULD, configure and optimize the equipment/product/solution to operationalize ALL available/licensed features for the all the equipment/products covered in Table 5. | |

| 2 | Configuration, optimimisation and maintenance of all available/licensed features | Successful bidder will be required to: <br>• Periodically review the working and effectiveness of current implementation. <br>• Undertake additional configurations as may be required. <br>• Optimize the implementation to guarantee ROI <br>• Undertake solution preventive maintenance and including upgrades, patching etc | |
|---|---|---|---|
| 3 | Onsite troubleshooting and support | Successful bidder will be required to provide 24x7 NBD onsite support and troubleshooting so as to ensure that the solution is fully operational at all times. | |

## PART C: TECHNICAL SPECIFICATIONS FOR PROJECT IMPLEMENTATION AND SUPPORT

**Instructions to Bidders:**

1. Bidders <u>MUST</u> complete the Table below in the format provided.
2. Bidders <u>MUST</u> provide a substantive response in the format provided, irrespective of any attached technical documents. Use of Yes, No, tick, compliant etc. in these Tables will be considered Non Responsive.

**Table 3: CLAUSE BY CLAUSE TECHNICAL REQUIREMENTS**

| Item No | Feature | Minimum requirements | Max Score | Bidders Response (Narrative answers) |
|---|---|---|---|---|
| 1 | Delivery ,Installation and testing of licenses | • Bidder should provide a schedule for delivery of licenses and relevant documentation. <br><br>• The bidder should state schedule of services for license installation and system integration. <br><br>• The bidder should provide a schedule of any additional infrastructure components to be provided by the Authority to enable successful license renewals and/or new license installations. | 20 | |
| 2 | Review of current design and implementation, fine tuning, optimization, and testing the entire firewall solution. | • The bidder should provide a semi-annual schedule for Review of current design and implementation, fine tuning, optimization, and testing the entire firewall solution. | 10 | |
| 3 | Documentation of the Implementation, development and delivery of the User Procedures for the entire solution. | • The bidder should provide a schedule of activities leading to development and delivery of comprehensive technical documentation, manuals etc. for the entire products and solutions for smooth | 10 | |

| | | | | |
|---|---|---|---|---|
| | | operation and support of the solutions. | | |
| 4 | Provision of maintenance and support | • Successful bidder will be expected to provide an SLA covering the entire IT solutions for a contract period of two (2) years, renewable annually. This includes periodic solution review and maintenance, Hardware, equipment and parts maintenance and upgrades, and 8x5xNBD on-site support. | 10 | |
| 5 | Provision of Work Plan | • The bidder should provide a detailed work plan for the supply, delivery, installation, testing, system integration and provision of all other requested services for the successful implementation of the entire IT infrastructure solution. | 10 | |
| | **Prorated Total Scores is 60 marks.** <br> **Prorated Cut off scores is 42 marks** | | 60 | |

## SECTION VII- PRICE SCHEDULE

**Instructions to Bidders:**

1. **Bidders <u>MUST</u> complete the Table below in the format provided.**

- **NB:** A two (2) year contract period, **PAYABLE ANNUALLY** applies to all Licenses and Support Services under this procurement.

- **Grand Total Cost for the 2 years (Framework Contract) –To be moved to Form of Tender.**

Table 4: <u>PRICE SCHEDULE</u>

| Item No | Item Description | Name of Goods or Related Service | Bidder's Response Total cost( Tax Inc) |
|---------|------------------|----------------------------------|----------------------------------------|
| 1 | Dark Fiber infrastructure Solution | • Radware PacketLight PL-300 DWDM 16ch Mux/Dmux (2 Sites), PL-1000TE 8multiarte transponders box (no C/DWDM mux and ribbon cable', with associated transceivers and accessories as contained in **Table 5**.<br><br>• Vendors' onsite Implementation, Maintenance and support services for Dark Fiber infrastructure Solution<br><br>The bidder **MUST** provide licensing and support for all the products contained in the **PRODUCTS, EQUIPMENT AND PARTS SUPPORT SCHEDULE** | |
| **Grand Total Cost –To be carried/ Moved to Form of Tender** | | | |

**N/B:**
1. **All prices quoted must be inclusive all applicable taxes in Kenya.**
2. **Affix Company Stamp on this page.**

*Tenderer's Signature:* _____

*Date:* _____

## PRODUCTS, EQUIPMENT AND PARTS SUPPORT SCHEDULE

### Instructions to Bidders

1. Bidders MUST complete the Table below in the format provided.

2. Bidders MUST Indicate Compliance to both Direct OEM Support and Vendors Onsite Implementation, Maintenance and support /SLA services requirements against the Products as listed. Yes, No, Compliant etc. may be used in this Table.

3. Compliance to both OEM support Requirements and Vendors onsite Implementation, Maintenance and support services Requirement is **MANDATORY** for the successful bidder.

### Table 5: DARK FIBER INFRASTRUCTURE INVENTORY

| PART NO | ITEM/FEATURE | QTY | Bidder's Response |
|---|---|---|---|
| | **DWDM Equipment** | | |
| DWDM-1 M-16W-1C-2F | PL-300 DWDM 16ch Mux/Dmux (2 Sites) | 2 | |
| PL-1000TE-8 | PL-1000TE 8multiarte transponders box (no C/DWDM mux and ribbon cable' | 4 | |
| OSW-1 | Optical Switch ( X 2 Sites) | 2 | |
| PS1 | AC PSU ( X 2 Sites) | 8 | |
| UL-SFP+-D-S-CHxx | Uplink SFP+ DWDM 10G Multi rate 80Km 4-8G + 7-10G ( X 2 Sites) | 22 | |
| UL-DWDM-L-CHxx | Uplink SFP DWDM SFP ( X 2 Sites) | 10 | |
| SL113 | Service SFP+ 10G 850nm MM 150m ( X 2 Sites) | 14 | |
| SL5 | Service SFP 10/100/1000 Base-T Ethernet copper ( X 2 Sites) | 10 | |
| SL111 | Service SFP+ 8.5G 850nm MM 150m ( X 2 Sites) | 8 | |
| SC-0S | OSC Local Cacading ( X 2 Sites) | 4 | |
| SC-2H | OSC Channel 1510nm (DWDM) 80Km ( X 2 Sites) | 2 | |
| RADCare Premium | Including 24x7 support + SW upgrade + repair equipment- Unit price per year (from RAD stock) (X 3 YRS) | 3 | |
| | **Dark Fiber Costs** | | |
| labour | Non recurrent Costs dark fiber from TT to CBC to GDC | 1 | |
| Lease | Annual Cost for maintenance of Fiber per KM (For 1 YEAR) | 25 | |