

TENDERER'S NAME:

TENDER AMOUNT : N\$(Excluding VAT)

CLOSING DATE: **Friday, 06 March 2020 by 14:30**

PLACE: THE MANAGER
MTC PROCUREMENT
CORNER OF MOSE TJITENDERO & HAMUTENYA WANEHEPO
NDADI STREET, OLYMPIA
MOBILE TELECOMMUNICATIONS LIMITED (MTC) HEAD
QUARTERS
WINDHOEK



TENDER NO: MTC10/20/O

**SUPPLY, DELIVERY, INSTALLATION & COMMISSIONING OF A LAYER 7 LOAD
BALANCER**

MOBILE TELECOMMUNICATIONS LIMITED (MTC)
EFFAISHE NGHIIDIPAA
MANAGER PROCUREMENT
WINDHOEK
CNR MOSE TJITENDERO & HAMUTENYA WANEHEPO NDADI STREET
TEL : + 264-61-280 2019
FAX : + 264-61-280 2057
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A. CONDITIONS OF TENDER

INVITATION TO TENDER

A.1.1 MTC hereby invites offers:

CLIENT:	MOBILE TELECOMMUNICATIONS LIMITED (MTC)
TENDER DESCRIPTION:	SUPPLY, DELIVERY, INSTALLATION & COMMISSIONING OF A LAYER 7 LOAD BALANCER APPLICATION, FOR MOBILE TELECOMMUNICATIONS LIMITED (MTC)
TENDER NUMBER:	MTC10/20/O
CLOSING DATE	FRIDAY 06 MARCH BY 14:30
BRIEFING MEETING	FRIDAY 21 FEBRUARY 10H00
ADDRESS TENDER TO:	MTC Procurement, Manager Procurement
	Cnr Mose Tjitendero & Hamutenya Wanehepo Ndadi Street
	Olympia
	Windhoek, Namibia
ALL INQUIRIES:	Effaishe Nghiidipaa Manager Procurement Tel: +264 61 280 2019 Fax: +264 61 280 2057 Email: enghiidipaa@mtc.com.na

TENDER FORMAT

A.1.2 Tender documents must be in a sealed package as follows:

A.1.2.1 One (1) hardcopy and one (1) scanned electronic format OF COMPLETE OFFER on a CD or USB.

A.1.3 All documents must clearly be marked:

TENDER NO: MTC10/20/O

**SUPPLY, DELIVERY, INSTALLATION & COMMISSIONING OF A LAYER 7 LOAD
BALANCER**

**A.1.4 ALL TENDER DOCUMENTS MUST BE DEPOSITED INSIDE THE MTC TENDER BOX AT
THE RECEPTION OF MTC HEAD OFFICES IN OLYMPIA, MOSE TJITENDERO AND
HAMUTENYA WANAHEPO NDADI STREETS.**

DEFINITIONS

A.1.5 In this Tender, unless the context clearly indicates the contrary, the following interpretation will apply to the terms stated below:

A.1.5.1 "MTC" shall mean Mobile Telecommunications Limited

A.1.5.2 "RFP" shall mean Request for Proposal (Tender)

A.1.6 This Request for Proposal is not a contract, and does not create an obligation on MTC's part to purchase services from any company submitting a proposal. MTC reserves the right to reject any or all proposals in its sole and absolute discretion.

TENDER INVITATION

A.1.7 MTC hereby invites offers from relevant quantified companies to submit funding proposals for the Supply, Delivery, Installation & Commissioning of a layer 7 load balancer

A.1.8 This tender document shall consist of the following Appendices:

- Appendix A, BEE Scorecard: This scorecard is not to be filled out, but to show the various elements that the company should be accredited by the Namibia Preferential Procurement Council (NPPC). The Tenderer is required to approach the Namibia Preferential Procurement Council (NPPC), Telephone number 061 248 007 for accreditation and attach their accreditation certificate to the Tender response.
- Appendix B, Non-Disclosure Agreement: This Non-Disclosure Agreement is to be completed by the Tenderer.

GENERAL TENDER CONDITIONS

A.1.9 All Tender Documents must be submitted before or on the closing date and time as indicated on the cover page and be deposited in the tender box at the entrance of MTC Headquarters, Olympia.

A.1.10 No late tenders will be considered.

A.1.11 Every Tender Document page must be initialed.

A.1.12 MTC is neither bound to accept the lowest of any Tender nor to assign any reason for acceptance or rejection of such Tender.

A.1.13 MTC reserves the right to change these dates and any other dates that may appear in this Tender. Such changes will be communicated as soon as they are made.

A.1.14 Notifications to companies will be in writing to the designated liaison person nominated by the firm (refer to paragraph 0 below).

A.1.15 From the submissions an evaluation will be performed highlighting a short list.

- A.1.16 If deemed necessary, negotiations may be entered into with the short listed candidates.
- A.1.17 Companies that wish to tender should examine this Tender carefully and review all instructions contained herein. Companies should follow the instructions so that MTC can easily evaluate and compare all proposals received.
- A.1.18 All prices must be in NAD and exclusive of all taxes.
- A.1.19 MTC in its sole and absolute discretion reserves the right to:
- A.1.19.1 Reject any or all proposals, whether or not these instructions are followed.
 - A.1.19.2 Reject any submissions not complying with the specified format.
 - A.1.19.3 Award the contract based solely on a proposal received without entering into any further discussions.
 - A.1.19.4 Short list candidates.
 - A.1.19.5 Not base the final decision solely on price.
- A.1.20 No correspondence will be entered into should MTC decide to reject any proposals or to withdraw the Tender.
- A.1.21 Each response must include a detailed discussion of each of the items below. Should responses not use the same heading and follow the same numbering as the Tender, MTC may automatically disqualify the company from the tender process.
- A.1.22 MTC will make its decision based on the quality of the information contained in the offers received and no opportunity will exist for any company to enhance such information after closing date and time of the Tender.
- A.1.23 It is important to clearly note down any assumptions made in the submitted offer so that each submitted offer may be evaluated fairly against all other offers received.
- A.1.24 This Tender outlines the requirements of MTC and the process to be followed by the prospective Tenderers in submitting an offer.
- A.1.25 Companies should provide a list of previous or current clients they served with similar projects. MTC reserves the right to contact any clients referenced.
- A.1.26 MTC reserves the right to exclude certain persons and legal entities in the event of poor performance; the Tender offering or attempting to offer any bribe, promised a bribe, or any other consideration to any MTC employee involved with this Tender or the tenderer has acted fraudulently and or in bad faith.
- A.1.27 Any restriction imposed upon any such Tenderer shall also apply to any other enterprise under the same or different name with which the person, firm or company is actively associated.

A.1.28 MTC may accept any Tender in part or wholly with no obligation to explanation whatsoever.

A.1.29 Tenderer shall be a Juristic Entity with valid Company Registration documents, in terms of the laws of the Republic of Namibia or country of origin. Tenderers who fail to prove that they are a juristic entity shall be disqualified.

GENERAL EVALUATION CRITERIA

A.1.30 Proposals will be evaluated by MTC using criteria in the Tender and as per the relevant questions asked. These categories are not necessarily listed in order of importance:

A.1.30.1 Price competitiveness, including any price discount provided in the proposal.

A.1.30.2 Project completion schedules and lead times proposed.

A.1.30.3 Warrantee conditions and handling of claims.

A.1.30.4 Availability of references from other customers and reputation of tenderer.

A.1.30.5 Availability of infrastructure for after sales support, both local and international.

A.1.30.6 Compliance with local and international standards.

A.1.30.7 Certification and accreditations.

A.1.30.8 Value added to MTC.

A.1.30.9 The financial condition and trading record of the tenderer (Company profile, bank rating of tenderer etc.)

A.1.30.10 Tenderer degree of conformance to the Black Economic Empowerment Policy (A certificate from NPPC or any other recognised BEE accreditation agency should be submitted to prove the BEE credential):

- Alternatively, shareholder names and certificates must be attached.
- Small and medium enterprises (SME's) must submit their SME certificates issued by the Ministry of Trade and Industry.

A.1.31 The Tenderer shall ensure that sufficient supporting documentation and information is supplied in his proposal to enable MTC to evaluate the proposal in respect of each of the abovementioned criteria.

A.1.32 As per the Communications Regulatory Authority of Namibia: Regulations in respect of Type approval and Technical Standards for Telecommunications Equipment, gazetted in the Government Gazette # 5659, General Notice # 22, the tenderer supplying equipment subjected to this regulation must ensure that all documentations required are obtained from the Regulator before importation. Failure to do so may lead to equipment being confiscated by Customs at the supplier's risk, and MTC hereby distances itself from any confiscated equipment.

SUMMARY OF DEADLINES

ACTION	DUE DATE
TENDER DOCUMENTS AVAILABILITY:	14 February 2020
BRIEFING MEETING	21 February 2020 at 10h00
SUBMISSION OF QUESTIONS:	21 February 2020
MTC RESPONSE TO QUESTIONS:	26 February 2020
TENDER CLOSING DATE:	06 March 2020 by 14H30

QUESTIONS & ANSWERS

- A.1.33 If required, companies may submit questions via email to the following e-mail address: tenders@mtc.com.na on or before 21 February 2020.
- A.1.34 All questions and answers thereto will be posted on the MTC website by 25 February 2020.
- A.1.35 Communication between MTC and prospective companies, for the duration of this Tender, must only be through Ms E. Nghiidipaa @ 061 280 2019 or enghiidipaa@mtc.com.na. No direct communication or contact with any other party at MTC is permissible. Any such breach may disqualify the company.

TENDERER'S DESIGNATED LIASON

- A.1.36 Companies must select a single designated contact person, through whom all communications between MTC and the company will take place:

CONTACT NAME:	
DESIGNATION:	
TELEPHONE:	
FAX:	
EMAIL:	
SIGNATURE:	

REFERENCE LIST (PREVIOUS COMPLETE PROJECTS)

ITEM	COMPANY NAME	CONTACT PERSON	CONTACT DETAILS	YEAR OF SERVICE
1				
2				
3				
4				
5				

SUCCESSFUL TENDERER'S PERFORMANCE MANAGEMENT

- A.1.37 The successful Tenderer/s are subjected to annual performance reviews to be completed by the respective MTC representative or Procurement Officer responsible for the purchase. The review will be done at intervals to be decided upon by the Procurement department.
- A.1.38 The performance reviews will amongst others cover the following issues:
- A.1.38.1 **Reliability:** How reliably do you follow through on your commitments to MTC?
 - A.1.38.2 **Cost:** How closely did your final total costs correspond to your expectations at the beginning of the transaction?
 - A.1.38.3 **Order Accuracy:** How well did the product/service delivered matched your order specifications and quantity?
 - A.1.38.4 **Delivery / Timeliness:** How satisfied is the appraiser about the timeliness of the product/service delivery?
 - A.1.38.5 **Quality:** How satisfied is the appraiser about the quality of the product/service provided by your company?
 - A.1.38.6 **Documentation Accuracy:** Does your company present its all and correct documents with its deliveries?
 - A.1.38.7 **Personnel:** How satisfied is the appraiser about the attitude, courtesy, and professionalism of your company's staff?
 - A.1.38.8 **Customer Support:** How satisfied is the appraiser about the customer support she/he received from your company?
 - A.1.38.9 **Responsiveness:** How responsive is your company to information requests, issues, or problems that arose in the course of the transaction?

DECLARATION OF INTEREST FORM

Any deliberate omission in this declaration or the supplying of false information will be regarded in a serious light and may lead to an investigation and disqualification of the tender process.

Tenderer Name:		Tender #:	
Description of Tender:			

RELATION TO MTC EMPLOYEES/ MANAGEMENT/ DIRECTORS

I herewith declare that I have/am related – i.e. spouse (also fiancé or boyfriend/ girlfriend), parent, child, any other relation with the following MTC Employee(s)/ Member(s) of Management/ Board of Directors: *

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

CONFIRMATION OF FACTUAL INFORMATION

I confirm by signing this declaration that, to the best of my knowledge, the statements made above are factual and accurate and that I have taken note of all the sections. *

Full Name:	Signature:	Date:
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* Please initial in each box where applicable.

TENDER PRICES

- A.1.39 Tender prices shall be quoted in Namibian Dollar, the legal currency in use in the Republic of Namibia.
- A.1.40 No change in the submitted tender price shall be countenanced after receipt and before award of Tender.

VALIDITY OF TENDER AND ACCEPTANCE

- A.1.41 The MTC is not bound to accept the lowest or any Tender nor to give any reason for the rejection of a Tender, nor shall they be responsible for or pay any expenses or losses which may be incurred by the Tenderer in the preparation and delivery of his Tender.
- A.1.42 Tenders remain open for acceptance for a period of ninety (90) days as from the closing date of the Tender.
- A.1.43 MTC reserves the right to ask for extension of the validity without any change in the prices.
- A.1.44 MTC shall not entertain price variations due to any currency fluctuations for the submitted offer during its validity period.
- A.1.45 After submission and before decision, no interviews dealing with the subject shall be answered by MTC. Tenderers may, however, be called upon to clarify aspects of their Tender at the discretion MTC, and supply further information requested and necessary to assess the Tenders.
- A.1.46 The successful Tenderer will be advised by the MTC to this effect by letter through the mail or by telegram or by fax and in such case the Post Office shall be regarded as the agent of the Tenderer and delivery of such acceptance to the Post Office shall be treated as delivery to the Tenderer.
- A.1.47 The successful Tenderer shall provide at his own expense all the necessary revenue stamps for the Contract Agreement as required by Law in Namibia.
- A.1.48 After the signing of the Contract Documents by the MTC and the successful Tenderer a duplicate copy shall be handed over to the latter.
- A.1.49 The MTC reserves the right to adjust arithmetical or other errors in the Tender. Any adjustments made to a Tender will be stated to the Tenderer prior to the acceptance of the Tender.

AMENDMENT OF TENDER DOCUMENTS

- A.1.50 At any time prior to the last date of submission for offers, MTC may, for any reason, whether at its own initiative or in response to a clarification requested by a Tenderer, modify the documents by amendment.
- A.1.51 The amendment shall be notified to all the prospective Tenderers in writing and these shall be binding on them.
- A.1.52 MTC may extend the last date of submission required as a result of such amendment.

DETAILS CONFIDENTIAL

- A.1.53 Tenderers shall treat all aspects pertaining to this tender as confidential and shall not disclose details to third parties except for bona fide tendering purposes.

LEGAL ASPECTS

- A.1.54 Unless in special cases the MTC agrees to the contrary, the laws of the Republic of Namibia shall be applicable to each contract created by the acceptance of a tender and each Tenderer shall indicate a place in Namibia and specify it in his tender as his domicilium citandi et-executandi where any legal process may be served on him.
- A.1.55 Each Tenderer shall bind himself to accept the jurisdiction of the Courts of Law of the Republic of Namibia.
- A.1.56 Each foreign Tenderer shall state in his tender the name of his accredited agent in the Republic of Namibia in whom the necessary legal competence is vested and who has been duly appointed to sign any contract.
- A.1.57 A foreign company may tender on condition that, should it be informed by the MTC that its tender has been successful, it registers as a company and taxpaying entity in the Republic of Namibia prior to the signing of the Form of Agreement or within such extended time as may be allowed by the MTC.

DISQUALIFICATION OF TENDERERS

- A.1.58 The offer of any Tenderer, which does not conform to the Conditions of this Tender and the instruction reflected in the Tender, may be disqualified at the discretion of the MTC.

NOTICE (S) TO TENDERS

- A.1.59 Additional information and amendments to the tender documents will be conveyed to the Tenderers by the MTC or his agents, prior to the closing date of the tender, by

means of Notices to Tenderers. Receipt thereof shall be acknowledged immediately to the sender by email and shall also be submitted together with the Tender Document with tender closure_

LANGUAGE

A.1.60 All offers shall be submitted in the English language.

ADDITIONAL CONDITIONS OF TENDER

A.1.61 **Good Standing in terms of the Social Security Commission Act**

Tenderers shall provide Original certificates of good standing in terms of the Social Security Commission Act.

A.1.62 **Good standing with Inland Revenue Office**

Tenderers shall attach a valid Original Tax Good Standing Certificate.

A.1.63 **Company Registration Certificate**

Tenderers shall attach a valid copy of his/her Company Registration Certificate or proof of Defensive Name issued in terms of Section 7 of the Companies Act of 1973 (Act 61 of 1973) OR a Close Corporation Certificate issued in terms of Act 26 of 1988.

A.1.64 **Letter of Intent**

Letter of Intent to be provided by financial institution with the Tender to confirm that a Performance Guarantee will be issued after award of the Tender.

B. PURPOSE

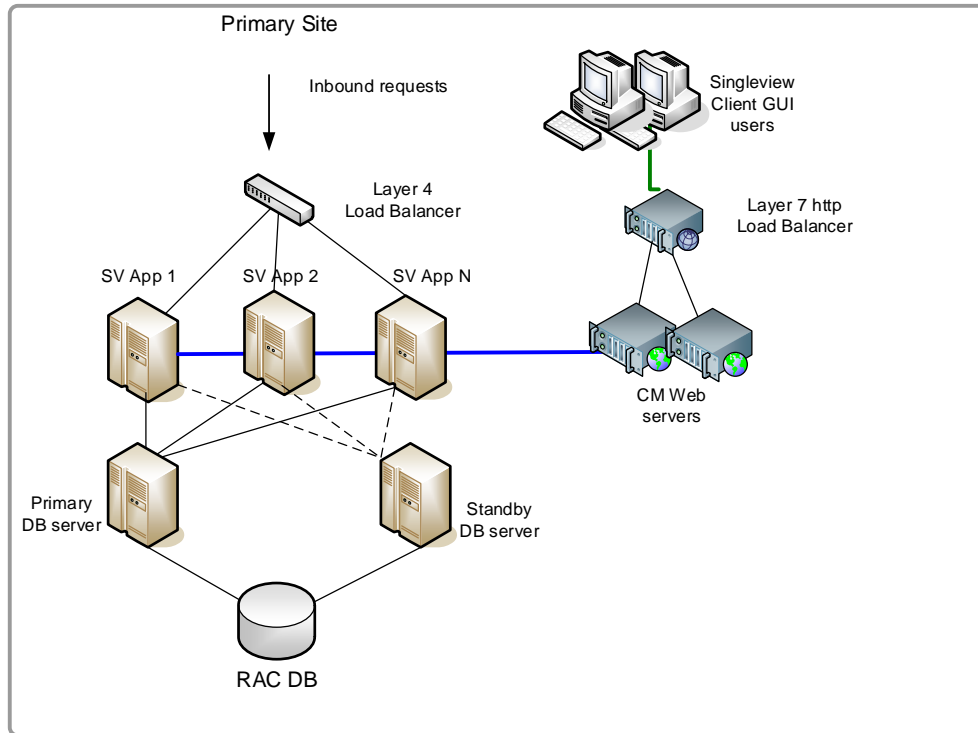
The purpose of this Request for Quote (RFQ) is to request from qualified and certified Vendors a proposal for a Layer 7 Load Balancer to deliver applications and web services for MTC. The RFQ contains sufficient instructions to enable the bidders to prepare and submit quotes and supporting materials.

SCOPE

MTC is the largest Mobile Operator in Namibia, with 2.6mil active subscribers. We are seeking to procure and integrate a Layer 7 Load balancer into our LAN and Cloud environments. The procured Load balancer will be rolled out as a Greenfield system, Parallel to existing Load Balancer and cutover to the new Load Balancer will be phased in to minimally impact MTC Operations

B.1 ENVIRONMENT

The diagram below highlights the envisions the architecture in which the new solution must fit.



B.2 BUSINESS OBJECTIVES

MTC needs to procure and integrate a new Layer 7 Load Balancer to cater for the expansion of new and existing applications and services. MTC is looking for a solution that can scale as the business needs grow and change.

The chosen Load Balancer must provide reliable and fast application and service delivery to end users.

The selected vendor (or vendors) is/are expected to provide the following hardware, software, installation, configuration, testing, integration services and training:

- i. The vendor of the selected Load Balancer solution will setup and configure the Load Balancers in high availability, Active-Standby or Active-Active and failsafe configuration to be determined by MTC on product HA support capabilities.
- ii. The vendor will configure the proposed Load Balancer Solution to MTC specifications.

The solution vision outlined above may evolve during the implementation period. All above configurations will require proposed Load Balancers to interface with existing core switches and routers.

In summary the selected vendor will provide the hardware installation, configuration, testing, migration, training support and integration services for the proposed solution. The vendor will provide best practices for the optimal operation of their proposed solution.

B.3.1 SOLUTION REQUIREMENTS

All work must be done by a certified and dedicated resource (utilizing the resources of other less qualified technical personnel when it's necessary and/or appropriate). The overall technical responsibility of the project is to be carried out by this dedicated/certified network engineer. At project completion, this dedicated engineer must provide and sign-off on the final document(s) to acknowledge the conformity of the work completed by the vendor.

Bidders are required to submit their responses as a comprehensive turnkey solution. Therefore, all submittals must bundle the proposed designed products, vendor approved training, and technical labor, in addition to outlining material and labor in a clearly itemized list, as part of the vendor's proposal. MTC recognizes that this project involves significant technical capability for successful completion. Any information provided by MTC with regard to this project is strictly confidential and shall not be disclosed to third parties

The proposed solution(s) must satisfy the business objectives, solution vision, solution requirements and design objectives provided herein. The vendor is solely responsible to deliver a fully functional solution meeting the specifications described in this RFQ.

C. LOAD BALANCER REQUIREMENT

An Active/Active or Active/Standby solution is mandatory for high availability. The following requirements are mandatory. The Load balancer solution must:

- a) At least 8 x 10Gbps interfaces per Load Balancer
- b) 10Gbps min throughput L4/L7
- c) 500k L7 requests per second
- d) Out of Band Management interface
- e) Comprehensive IPv4/IPv6 support
- f) Advanced Layer 4/Layer 7 Server Load Balancing
- g) Fast HTTP, Full HTTP Proxy
- h) Comprehensive Layer 7 application persistence support
- i) Comprehensive load balancing methods, Round Robin, Least Connections, Weighted RR, Weighted LC, Fastest Response etc.
- j) Health monitoring
 - i. Support for - ICMP, TCP, UDP, HTTP, HTTPS, FTP, RTSP, SMTP, POP3, SNMP, DNS, RADIUS, LDAP
 - ii. High Availability - Active-Active, Active-Standby configurations with sub-second failover
 - iii. TCL Scriptable Health Check support
- k) HTTP Acceleration & Optimization
- l) SSL Acceleration
- m) Connection Rate Limiting/Connection Limiting

- n) Support for Static Routes, IS-IS (v4/v6), RIPv2/ng, OSPF v2/v3, BGP4+
- o) Support for VLANs
- p) Support for Trunking
- q) Support for ACLs
- r) Dual Power Supplies (Hot swappable)
- s) Multi-Tenant capability
- t) SDN Capable
- u) Provide APIs to interact with Openstack Cloud Environment

C.1 IMPLEMENTATION REQUIREMENTS

MTC expects the selected vendor to provide industry best practices for management of production services and any specifics related to their proposed solution. It is desired that the solution architecture is designed to accommodate future growth without requiring MTC to invest in expensive network architecture redesign. In case MTC chooses to work with more than one vendor for the right solution, it is expected that all vendors work together for the successful completion of the project. It is very important for vendors to understand the current network design and configuration and come up with a plan showing proposed solution steps. The following requirements are mandatory:

C.2 TESTING, STAGING AND DEPLOYMENT SCHEDULE

- a. Demonstrate prototype solution showing the configuration as it interoperates with MTC network.
- b. Describe how the solution works during link and device failure.
- c. Vendors are required to submit the complete plan and action steps clearly specifying execution items.
- d. The vendor is required to provide product road map and its end of life details.
- e. The vendor must provide a summary of known outstanding bugs associated with the current network equipment image/software version.
- f. The vendor must provide a physical and logical network diagram.
- g. It is the vendor's responsibility to install, configure and integrate the complete solution as per proposed schedule.

C.3 SECURITY AND AUDIT

The solution should not cause security vulnerabilities.

C.4 TRAINING AND SUPPORT

C4.1 Training

- h. Provide manufacturer certified training for four (4) MTC employees to be

trained to configure, operate and maintain the proposed solution.

- i. Provide a list of the printed documentation provided for installation, operation, use, and administration of the whole solution.
- j. In addition to formal classroom training, MTC requires the vendor to provide on-site training of key concepts which are specific to the proposed solution. The vendor must specify the type of training provided.
- k. Specify and describe any help files provided by the system, and whether they can be customized for MTC.

C.4.2Support

- i. Describe if and how you will provide 24 x 7 support and the time frame of guaranteed initial response time.
 - i. Specify whether you will provide on-site support of initial installation.
 - ii. Describe other services for maintaining the solution in a supported state.