

Commission for Conciliation, Mediation and Arbitration

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Questions and Answers

BID NUMBER: CCMA/2024/07(A) – ICT

DESCRIPTION: PROVISIONING OF A CLOUD-BASED DISASTER RECOVERY FOR ORACLE WORKLOADS FOR A PERIOD OF THREE (3) YEARS.

1. Question:

Please verify the current connectivity (MS Express Route) bandwidth between the azure environment and on-prem database appliance?

Answer:

The current connectivity is an MS Express route between azure and On-premise data appliance. 2GB link.

2. Question:

Kindly advise which operating system is running on the database workloads?

Answer:

Oracle Linux Server release 7.9p.

3. Question:

Kindly advise on the security (firewall) architecture where the on-prem Oracle database appliance is hosted. To clarify our ask, is there a physical firewall hosted to protect the database environment? If there is a physical firewall on-prem, please specify the OEM and if there are any other functions we should take into consideration when scoping for the DRaaS solution for the Databases?

Answer:

It is hosted in a co-location at Teraco Isando, Johannesburg. The Firewall is Physical – FortiGate 200F, replication should be from this DB environment to your environment which should also be secure.

4. Question:

If there are firewalls protecting the appliance (workloads), is this in high availability design

Answer:
YES, 2 x FortiGate 200F in HA



5. Question:

Does the on-prem environment have an internet breakout to facilitate the “admin” tasks of updating and or patching the operating licenses and other maintenance related connectivity?

Answer:

Yes

6. Question:

Will the service provider be required to manage the VMs above the IaaS layer? Or will we be required to manage the operating system and patching thereof or the CCMA will manage the VMs from the operating system layer upwards?

Answer:

The service provider to manage the DR solution end to end.

7. Question:

Regarding the Live demo requirement – Is the service provider/customer covering the costs of the demo?

Answer:

The CCMA will not cover for the cost of the Demo

8. Question:

In the briefing session, it was mentioned that one or more of your sites will relocate and will be different when the project starts. Please confirm the current location for your:

- Production Application/s (Azure - Which Data Center?)
- Production Database (ODA on-premises)

Answer:

The CCMA is in the process of migrating its datacentre(co-location) from MTN Data centre to Teraco Datacentre. The Oracle Database Appliance (ODA) hosting the databases will be at Teraco datacentre by the time of implementation.

9. Question:

To meet the DR requirement of 30km, does this apply to both the current application location and your current database location?

Answer:

The primary location should be Teraco Datacentre.

10. Question:

In the tender document, it is mentioned "NB: The backup and DR strategy of the application servers is managed in Azure". Can you please indicate the locations of the Production and DR locations for the application?

Answer:

The application servers are hosted in Azure(South Africa North) and the DR is South Africa west(Azure).

11. Question:

TECHNICAL/ FUNCTIONAL CRITERIA (STAGE 2) : Can you please advise if this Live Demo environment should be ready at the time of bidding, or will some bidders be shortlisted and the Demo will be requested a later time ?

Answer:

Bidders who meet the mandatory functional requirement will be shortlisted for the Demo.

12. Question:

How many physical CPU sockets, VMs, physical servers/workstations, Oracle DBs, or other infrastructure components do you need to protect?

Answer:

Refer to the Specification document.

CONTAINER DATABASE	CPU CORES	VCPUS	SGA (GB)	PGA (GB)	DATABASE SIZE (GB)
CDBXX1	8	16	32	16	2007
CDBXX2	8	16	32	16	1567
CDBXX3	8	16	32	16	1419
EMREPOXX	4	8	16	8	32

13. Question:

What current backup software is being in production?

Answer:

Oracle RMAN backup on a NFS share.

14. Question:

What specific Oracle services are you most interested in, and what are your primary objectives for implementing them?

Answer:

Refer to the specification, we are running Oracle database environment on Oracle database Appliance, we need DR solution for the environment.



15. Questions:

Are there any particular challenges or pain points you are experiencing with your current Oracle setup that you hope to address with our solution?

Answer:

No pain points ,we are looking for a secondary (DR) site for our Oracle database environment.

16. Question

Can you provide more details on your current Oracle infrastructure and how you plan to integrate the new services?

Answer:

Refer to the specification document, we are looking for an end-to-end DR solution for our Oracle Database environment which will talk to the application servers running in Azure.

17. Question:

For the demonstration of the Oracle services, what specific features or capabilities would you like us to focus on?

Answer:

What is in the specification document forms the baseline of what is required.