Date of Issuance: 9/3/2020   **Solicitation No.** 2700000174

Requisition No. 2700000684   **Amendment No.** 1

Hour and date specified for receipt of offers is changed: ☒ No ☐ Yes, to: _____ CST

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

 (1) Sign and return a copy of this amendment with the solicitation response being submitted; or,

 (2) If the supplier has already submitted a response, this acknowledgement must be signed and returned prior to the solicitation deadline. All amendment acknowledgements submitted separately shall have the solicitation number and bid opening date printed clearly on the front of the envelope.

ISSUED BY and RETURN TO:

U.S. Postal Delivery or Personal or Common Carrier Delivery:

OMES Central Purchasing
Will Rogers Building
ATTN: Darlene Saltzman
2401 N. Lincoln Blvd., Ste. 116
Oklahoma City, OK 73105

Darlene Saltzman
Contracting Officer

(405) 694-7016
Phone Number

Darlene.saltzman@omes.ok.gov
E-Mail Address

Description of Amendment:

a. This is to incorporate the following:

On behalf of the State of Oklahoma, the Office of Management and Enterprise Services (OMES) gives notice of the following questions concerning this solicitation, received during the Wiki QA period, which closed on September 1, 2020. All questions and procurement/agency responses are detailed below:

Set #1

1. Do we need to implement the project from scratch or are we only providing maintenance and upgrades for the already running project? The vendor will provide maintenance and upgrades only.

2. Could you please provide us with any further information regarding the functioning of the project/product that needs to be supported, other than the AWS services? All AWS services responsible for the applications and domains.

3. Who will be responsible for any production release / deployment? The vendor will be responsible for the deployment through the pipeline.

4. Who will sign-off on any production release version? Oklahoma State Election Board (OSEB)

5. How is the current backup process implemented? Is the backup done only for the database? Frequency of backup? Is it incremental backup or complete backup? Do you currently backup the data to multiple locations (for redundancy)? The RDS database is backed up. The servers are backup and managed by current vendor.

6. Do you currently check the backup data for integrity by loading it in the staging server? If so, how often is the integrity check done? The backup data is checked for integrity in a staging environment.

7. Will administrative AWS access be provided to the selected supplier? Yes, administrative access is provided. Root access will not be provided.

8. Who will be responsible for the AWS charges? Oklahoma State Election Board (OSEB)

9. On which operating system is the current application running on? Will provide upon successful bid.

10. In Attachment A, Section 2.B -

i. Are the project requirements only for the listed web application's, or are the associated websites in consideration too? The project requirements are for the listed web applications and associated websites.

ii. Do we have to handle any web hosting support and website development? Yes, for web hosting. No, for website development.

11. In Attachment A, Section 2.D.i - can you please elaborate on the Domain controller? Will provide upon successful bid.

12. Do vendors have to register as suppliers to receive notice of award? Notice of award is determined by the category code. If you have registered under the applicable category code with current email listed with vendor registration you should receive a notice. Agency suggestions are also sent a notice.

13. Is it possible for us to speak with the project leader to understand the production environments and which other technologies can be supported and maintained by our team? No

14. Can you please provide detailed information about the current AWS Storage Size? Will provide upon successful bid.

15. What is the anticipated project start date? Beginning of the first month following bid award

16. Could you please let us know the tentative schedule for publishing the shortlisted vendor? That is not known at this time.

17. Is the selected vendor expected to work alongside the existing team or just assist the existing team in the on-going development & maintenance? Please clarify. Work alongside the existing team

18. Are there any weightage for selection points (for the provided criteria or sections) to be carried out with the RFP response document? Further evaluation information will not be provided.

19. Based on the scope of this opportunity, will OKSEB extend the deadline by two weeks (9/28/2020) for all vendors to have time to provide complete and concise responses? No

Set #2

1. Please describe the application architecture and application type? Will provide upon successful bid.

2. SQL Database Version, Edition, and DB Size details. Will provide upon successful bid.

3. Will EC2 instances join the Active Directory domain? If Yes, Please share the AD architectural plan details. Will provide upon successful bid.

4. Concurrent Web connections to Web servers. Will provide upon successful bid.

5. Please share the Prod/UAT/Staging Servers and service architecture design details for AWS. Will provide upon successful bid.

6. Challenges in the current environment? Will provide upon successful bid.

7. Existing Security and Audit compliance policy details. If any. Will provide upon successful bid.

8. List of the branch office with Firewall details to connect using IP Sec tunnel for AWS? Will provide upon successful bid.

9. Please share the configuration of the Servers on AWS Public Cloud. Will provide upon successful bid.

10. State of Elections wants a vendor to manage the AWS hosting subscription and then charge monthly bills? Yes

11. Migration from AWS Public Cloud to AWS GovCloud would be considered as one-time separate cost or is part of managed services of 300 hours? Part of the managed services.

12. A detailed architecture of the current AWS hosting structure would be helpful Will provide upon successful bid.

13. What is the total size of the servers/databases, etc.? The initial section says only 2 application servers, whereas multiple other servers/services are mentioned below as well. Will provide upon successful bid.

14. What OS/Application/Platform stack do we've? Is OS / DB licensing, support under the scope of managed services? Will provide upon successful bid.

15. Current network architecture needs to be shared so that migration plan can be assessed accordingly. Will provide upon successful bid.

16. Details of AWS services that are being used right now needed. Will provide upon successful bid.

17. Any third party application/firewall/load-balancer/any other solution being used. Should they be continued in AWS Gov cloud migration? All solution currently in use will continue.

18. Is re-architecture needed, if we recommend, is only rehosting under scope? Any optimization planned? No

19. What different environments are there? Staging, testing, development etc.? Staging, Testing, Development, Production.

20. Environment wise current design will be needed to plan the scope. Will provide upon successful bid.

21. What is the current RDS HA setup currently? Should we inherit the same and migrate? Are there plans for rearchitecture? Will provide upon successful bid.

22. Are there plans to use AWS native domain management services instead of domain controller servers on migration? No

23. What would be the exact architecture and size of each of the DB setup mentioned (MOAB, OKER, and VIRS)? Will provide upon successful bid.

24. Details of the public/private facing domains that have to be managed? Are they managed through any 3rd party service or AWS Route 53? Managed by current vendor.

25. What are the SLA details of applications/DBs that are being managed right now? Will provide upon successful bid.

26. Are any VAPT tools used now? What is the standard operating structure of Security management? Will provide upon successful bid.

27. Are any other solutions other than WAF being used for security? Are there plans to use anything additional on Gov Cloud? No

28. What is the current level of DR that is used? Will provide upon successful bid.

29. Are there any 3rd party or AWS native monitoring that's used? Should we propose them? No

30. For security alerts, if SMS, email or push notifications, should we setup/architect any service? Is that under scope? Is there a system already in place? Yes

31. Is there any need to automate the deployment etc. through cloud formation scripts? Is there scope for writing new DevOps automation scripts? No

32. The security standards available through the URL, ideally are at AWS' level to be compliant. Can DATAMATICS inherit it as-is and use? https://omes.ok.gov/sites/g/files/gmc316/f/SecurityCertification-R_0.xlsx Excel document titled Security Certification Assessment must be completed as instructed.

33. This link mentioned is not accessible. http://www.ok.gov/cio/documents/InfoSecPPG.pdf Link provided in solicitation has been checked and is working correctly.

34. For the current scope, Will VPAT certification be applicable? Should we be inheriting the same from AWS? Not applicable

35. There is no pricing format mentioned in the RFP document, Kindly share the pricing format. Submit pricing as instructed in section 8.1E of the bidder instructions.

36. Please share the section 1 Cover page format I do not understand your question. Word is the preferred format for submission if that is what you are asking.

37. Is the State Election Board expecting bidders to price the migration cost for moving the remaining hosted infrastructure to the AWS GovCloud? No

38. Will AWS Cloud consumption costs be included in this contract, or does the State Election Board fund those costs separately? included

39. Is the expectation that managed services for the current State Election Board footprint within AWS GovCloud will take 300 hours per year, and any additional managed services effort be provided at an hourly billing rate? 300 hours is estimated and additional managed services will be billed at hourly rate, if necessary.

40. What is your monthly AWS spend? Will provide upon successful bid.

41. Can you expand on the expectations for the service provide as it pertains for the Maxim Consulting test suite? Provide hosting support for application development testing.

42. How are you purchasing AWS today? 3rd party vendor

43. What level of support do you have with AWS today? The level of support varies according to election schedules

44. **Existing Infrastructure:** Will provide upon successful bid.
    1. Has an app 'Discovery' for applications and services been performed? (with or without agents, using WMI &   WinRM for Windows and SSH for Linux).
    2. Is there an existing application dependency map?
    3. Is there an internal count and sizing for the environments (PROTOTYPE, STAGING and PRODUCTION)?
        a. (Sizing would include current specs on CPU, RAM, Storage as well as backup storage)?

4. Do any of the apps currently use any special network routing?

45. **Cloud Connectivity and Cloud Identity:** Will provide upon successful bid.
    1. Is there a need for, or an already existing, On-Premises to Cloud Connectivity?
       a. If so what is the current VPN or DirectConnect bandwidth and topology (site to site or hub spoke)?
    2. Is there a current Identity Management system in use (e.g. On-Prem Active Directory)?
    3. Is there a need to reuse the same identity management system for the cloud hosted applications?
    4. Is there an existing Single Sign On provider (e.g. Okta, Sailpoint) currently in use internally?

46. **VM Backups. Recovery and DR Requirement:** Will provide upon successful bid.
    1. Is there a need for High Availability (e.g. a Read Replica Node or a Read-Write, Failover node)?
    2. Is there a need for automated failover to a secondary DB node?
    3. Are there resources available to manage a database cluster on an ongoing basis?
       a. (These activities include backups, restores, software updates, availability, data durability, optimization, and scaling)

47. **Data Privacy and Certification Requirements:** Will provide upon successful bid.
    1. Is there any PII, PHI or HIPAA data?
    2. What current data encryption standards are in place?
    3. Are there any other sensitive data requirements?

48. **Security Management:** Will provide upon successful bid.
    1. Is there a need to integrate into source code analysis tools, security testing frameworks or other mechanisms that allow for seamless threat analysis in development and deployment pipelines?
    2. Is there a need for an infrastructure security management system that specifically scans and audits customer accounts and infrastructure for AWS/Azure security and architecture best practices?

49. **Billing and Cost Management**: Will provide upon successful bid.
    Is there a need to:
    1. Handle chargebacks for AWS costs in a decentralized IT environment?
    2. Leverage total cost of ownership (TCO) to successfully differentiate an on-premises versus cloud based solution?
    3. Accept pre-payments or implement spending caps within a comprehensive billing system?

b. All other terms and conditions remain unchanged.

Supplier Company Name (**PRINT**)   Date

Authorized Representative Name (**PRINT**)   Title   Authorized Representative Signature