

ADDENDUM THREE

DATE: August 1, 2014

TO: All Vendors

FROM: Nancy Storant/Jennifer Crouse, Buyers
State Purchasing Bureau

RE: Questions and Answers for RFP Number 4752Z1
to be opened August 12, 2014 2:00 p.m. Central Time

Following are the questions submitted and answers provided for the above mentioned Request For Proposal. The questions and answers are to be considered as part of the Request For Proposal.

QUESTIONS	ANSWERS
<p>1. RFP Section IV.B, first paragraph. This section references “models” developed for and by the Department. What does a model mean in this context?</p>	<p>A system of statistical algorithms used to score data inputs and produce output helpful in business decisions, in accordance with CRISP-DM methodology.</p>
<p>2. RFP Section IV.B, items 1 to 8. If the vendor believes its solution can achieve as good or better performance with alternative approaches, to include non-statistical ones, in lieu of the eight categories specified here, would that be acceptable to the State?</p>	<p>Please comply with all RFP requirements as written.</p>

QUESTIONS	ANSWERS
<p>3. RFP Section IV.B. The State mentions only statistical modeling in its technical requirements. Is the State open to solutions that use models, but also include demonstrated derogatory facts about under- and/or non-reporting businesses? If yes, is the State open to a solution that finds under- and non-reporting businesses, but is not compatible with Predictive Model Markup Language (PMML)?</p>	<p>No, this RFP is only for statistical modeling software.</p>
<p>4. RFP Section V.A.2.h.i, “Summary of Bidder’s Corporate Experience,” page 40. If the bidder has experience creating revenue in other contexts besides under-/non-reporting corporate income tax, using the same approaches offered for solution in this RFP, are those narrative descriptions and references sufficient?</p>	<p>Yes, as long as the bidders previous projects are similar in size, scope, and complexity as per the requirements of this RFP.</p>
<p>5. Attachment A, Form A.1, RTM-2. The phrase “incorporates workflow” in this section is open to different interpretations. For clarity, please elaborate on its meaning.</p>	<p>“Incorporates workflow” refers to our interest in how the user will interact with the program when accessing databases, creating and running models, and displaying output.</p>
<p>6. Attachment A, Form A.1, RTM-3. What interfaces do Oracle Standard Edition databases allow?</p>	<p>We are using Oracle Standard edition, version 11g. If your software has special features compatible with Oracle, please describe the feature and what version of Oracle is required.</p>
<p>7. Attachment A, Form A.1, RTM-3. Please explain the importance of Oracle Standard Edition to the State.</p>	<p>The Department uses Oracle Standard Edition Version 11g and any software that is proposed for this RFP must be compatible with this version.</p>
<p>8. Attachment A, Form A.1, RTM-12. What if the bidder does not license models, but simply considers them part of the solution, and thus the property of the State? Would that be sufficient?</p>	<p>Yes, the models will become the property of the State.</p>
<p>9. Attachment A, Form A.1, RTM-16. To ensure an accurate response, please define “user-defined algorithms.”</p>	<p>It is possible for a programmer to create an algorithm which can then be loaded into the predictive analytics software, Please specify programming languages supported, documentation provided, etc.</p>

QUESTIONS	ANSWERS
<p>10. Attachment A, Form A.2. Is the State open to an alternative pricing arrangement to include contingency instead of licensing fees or licensing fees only?</p>	<p>No, any contract agreement which provides for payment of a contingent fee pursuant to Neb. Rev. Stat. §§73-203, 73-204 is void in Nebraska.</p>
<p>11. Attachment A, Form A.3. Are previously used federal GSA rates for these activities acceptable to the State?</p>	<p>Please provide your hourly rate on Form A.3 per the RFP requirements.</p>
<p>12. RFP Section Reference: IV.B. RFP Page Number: 36 Question: Does the State have any current programs in place to identify corporate income tax under-reporters? If so, how many under-reporters are identified each year?</p>	<p>There is no software being used specifically for this purpose. At this time the department performs manual reviews to look for under-reporters. The number of under-reporters identified varies based on staff availability and ranges from 50 to 150 per year.</p>
<p>13. RFP Section Reference: IV.B. RFP Page Number: 36 Question: Does the State have any current programs in place to identify corporate income tax non-filers? If so, how many non-filers are identified each year?</p>	<p>There is no software being used specifically for this purpose. At this time the department performs manual reviews to look for non-filers. The number of non-filers identified varies based on staff availability and averages 250 yearly.</p>
<p>14. RFP Section Reference: IV.B. RFP Page Number: 36 Question: Does the State have an analytics contractor performing services similar to the Scope of Work?</p>	<p>No, the Department does not have any analytics contractors at this time.</p>
<p>15. RFP Section Reference: IV.B. RFP Page Number: 36 Question: Does the State currently license any statistical software applications (e.g., SAS, IBM Modeler, Revolution Analytics, etc.)?</p>	<p>No, the Department does not have licenses for analytics software at this time.</p>
<p>16. RFP Section Reference: IV.B. RFP Page Number: 36 Question: Has the state estimated and deployed models (in any tax type) using any of the analytic algorithms listed in items 1 (Clustering) through 8 (Ensemble Algorithms)?</p>	<p>No, the Department does not have models in the context defined by this RFP at this time.</p>

QUESTIONS	ANSWERS
<p>17. RFP Section Reference: IV.B. RFP Page Number: 36</p> <p>Question: Does the state have personnel with formal educational training in the items listed in 1 (Clustering) through 8 (Ensemble Algorithms)?</p>	<p>No, the Department does not have personnel with formal educational training in items 1 through 8 at this time.</p>
<p>18. RFP Section Reference: IV.B. RFP Page Number: 36</p> <p>Question: Does the state have personnel with experience using statistical software to conduct these types of statistical procedures? If so, which applications are currently in use?</p>	<p>No, the Department does not have personnel with experience using statistical software to conduct these types of statistical procedures at this time.</p>
<p>19. RFP Section Reference: IV.B. RFP Page Number: 36</p> <p>Question: Can the state provide a distinction between a “technical” and “end user”?</p>	<p>A technical user would be someone who creates and edits models. An end user would be someone who runs models and then uses the output to improve business decisions.</p>
<p>20. RFP Section Reference: IV.B. RFP Page Number: 36</p> <p>Question: Have personnel at the state received formal training regarding predictive analytics software tools (e.g., SAS, SPSS (IBM Modeler), R, etc.)? If so, are most staff novice or experienced users of these software products?</p>	<p>No, the Department does not have personnel with experience using analytics Software.</p>
<p>21. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: How many corporate audits does the State conduct each year?</p>	<p>The Department has conducted approximately two hundred thirty (230) audits for the fiscal year ending June 30, 2014.</p>
<p>22. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: What is the annual no-change rate of corporate audits (i.e., audits that result in no assessment)?</p>	<p>For the fiscal year ended June 30, 2014, seventeen (17) percent.</p>

QUESTIONS	ANSWERS
<p>23. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: Does the State receive data from the IRS GLDEP? If so, which sources does the State receive?</p>	<p>Yes we receive data from IRS GLDEP. Relevant to this RFP, the State receives corporate affiliations by state code/cities/Zip Codes; corporate affiliations by EIN; and exam by TIN.</p>
<p>24. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: Does the DOR currently participate in any data exchange programs with other state agencies? If so, which agencies (e.g., property tax assessors, motor vehicles, etc.)?</p>	<p>Yes. Department of Health and Human Services professional licensing and the Department of Motor Vehicles.</p>
<p>25. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: Does the State currently have production analytic algorithms or statistically based models implemented to predict individual income tax fraud? If so, how many fraudulent individual tax returns are identified per year?</p>	<p>No, the state does not use analytic algorithms or statistically based models to predict individual income tax fraud.</p>
<p>26. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: Based on the RFP, the workload is estimated to be at 5.6 million records, can you provide more detail regarding these data:</p> <ul style="list-style-type: none"> • How many years of data does this represent? • Do these data only include corporate income tax records? • Do these data contain amended returns? • What is the level of granularity of these data? <ul style="list-style-type: none"> o Annual summary records? o Transactional records? o Both? 	<p>1 year of data.</p> <p>No. It could include other tax program information.</p> <p>Yes, it includes amended returns</p> <p>The level of granularity for these records is transactional</p>

QUESTIONS	ANSWERS
<p>27. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: Does the State currently license 3rd party data such as Lexis-Nexis or Dun and Bradstreet? If so, are these data already loaded into the Oracle database? Will these data be available for the corporate income tax and future analytics projects?</p>	<p>No, the Department does not currently license the 3rd party data of Lexis-Nexis or Dun and Bradstreet.</p>
<p>28. RFP Section Reference: IV.B. RFP Page Number: 37</p> <p>Question: The RFP states that the data for this project will come primarily from Oracle database(s), Access databases(s), and/or Excel spreadsheets(s):</p> <ul style="list-style-type: none"> • Are the Access databases and Excel spreadsheets maintained on individual PCs or are stored on network drives? • Have the Excel spreadsheets ever been collected and combined with any other data? • Do the spreadsheets and databases contain primary and foreign keys that allow matching records across tables? 	<p>Network drive.</p> <p>No.</p> <p>Yes.</p>
<p>29. RFP Section Reference: Appendix A RFP Page Number: 45</p> <p>Question: For the software solution, the state has identified a 3 node VMware cluster running on an Intel Xeon (X5660 @2.80GHz) processor.</p> <p>Will these 6 processing nodes dedicated to the analytics solution or will these resources be shared with other production processes?</p> <p>If shared, could the state describe the other software and processes running in the environment as well as any workload metrics for these processes?</p>	<p>These processing nodes may be shared with other processes. If the processing load is excessive, then the Department would obtain new processing nodes to achieve acceptable processing time for predictive analytics workload.</p> <p>It is not currently shared.</p>

QUESTIONS	ANSWERS
<p>30. RFP Section Reference: IV B - Technical Requirements (Requirements Capture)</p> <p>RFP Page Number: Page 36</p> <p>Question: How much time is the State planning to provision for providing the Contractor's team the due requirements for the creation of the Models for analysis and the rules for identification of non filers and under reporters of Income tax?</p>	<p>Approximately 3 months.</p>
<p>31. RFP Section Reference: IV B - Technical Requirements (Helpdesk Setup, Infrastructure, Location)</p> <p>RFP Page Number: Page 36</p> <p>Question: Is it ok to assume that the Contractor will be required to set up the helpdesk operations. Do these services also necessarily have to be delivered from the State's premises or can these services be provided from nearshore or offshore base of the Contractor? If they are to be delivered from the State premises will the State provide for seats, communications , desktops, service management tools ? If these can be delivered from nearshore/offshore locations, will the State provide the communications and due secure accesses to the Contractor's systems and personnel?</p>	<p>Yes</p> <p>It does not have to be provided from the Department's premises</p> <p>Any access to the state's computer network will have to meet security standards set by the CIO office. Help desk services must be located in the United States.</p>
<p>32. RFP Section Reference: IV B - Technical Requirements(Data Scope)</p> <p>RFP Page Number: Page 36</p> <p>Question: Is it ok to assume that only Corporate entities data will be analysed. Other kinds of tax payers are not included in this scope of work.</p>	<p>Only corporate entities data will be analyzed per RFP requirements.</p>

QUESTIONS	ANSWERS
<p>33. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 36</p> <p>Question: Is the State considering the use of any Proprietary licensed Software Tool? Can the Contractor propose Open Source tools or a hybrid solution involving both Proprietary and Open Source toolsets ?</p>	<p>The Department is not considering any particular propriety licensed software tool. The contractor can propose any combination of software which does not violate state or federal laws.</p>
<p>34. RFP Section Reference: Current Hardware and System , IV B - Technical Requirements</p> <p>RFP Page Number: Page 36,45</p> <p>Question: The current hardware configuration is stated in the RFP. It is also stated that the source data will be in Oracle and Access databases. What are the versions of these in use at present ?</p> <p>We are also desirous of knowing what are the OS platform, Application platform, Database(s) available with the State on the platform on which the contractor is required to install the software toolset and whether the state has any specific preference in mind for the toolset they wish to use ?</p>	<p>Oracle database is 11g Standard Edition. MS Access and Excel are 2010 editions. User operating systems are Windows 7 64-bit. The processing nodes run in virtual environment where Windows is preferred but Linux is also allowed.</p>
<p>35. RFP Section Reference: IV B - Technical Requirements (Scope of Sources of Data)</p> <p>RFP Page Number: Page 37</p> <p>Question: Can the State provide details of how many external data sources are anticipated to be used ?</p>	<p>No, this information is not currently available.</p>
<p>36. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 37</p> <p>Question: Can the State provide us some details of who are the 1-2 users referred in the RFP are and what role do they play in their Department ? How many technical users are expected for this solution ?</p>	<p>We expect to train two (2) technical users as "modelers" who will be trained to create, edit, and run models. These users have Bachelor degrees in Computer Science.</p> <p>They are auditor and programmer.</p>

QUESTIONS	ANSWERS
<p>37. RFP Section Reference: IV B - Technical Requirements (General Query Regarding Users / Concurrent Users)</p> <p>RFP Page Number: Page 37</p> <p>Question: Besides the 1-2 users of the system and the technical users, what kind of 'end users' are anticipated to use this system ?</p> <p>How many of such end users are expected to use it ?</p> <p>How will they access this application? Is it on the LAN or will it be across the Internet?</p> <p>At any point in time how many concurrent users will be required to access the application?</p>	<p>The end users are not technical in nature and are likely to be managers with proficiency in MS Excel. End users may number in 5-10 range. The end users will access the application over the LAN. Additional areas may have predictive models created and the number of concurrent end users could number 5.</p>
<p>38. RFP Section Reference: IV B - Technical Requirements (Procurements)</p> <p>RFP Page Number: Page 37</p> <p>Question: Requesting the State to clarify whether the State expects the Contractor to procure and supply any Hardware, OS, Layered software, Software and licenses for the Advance Analytics Software Tools or does the State just need a recommendation for the same for the proposed solution and the State will subsequently leverage it's empanelled vendors , suppliers and OEMs to procure the recommended items for the project ?</p>	<p>The State will use our current hardware as outlined in Appendix A. In addition, this RFP is only for predictive analytics software to develop the models.</p>
<p>39. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 37</p> <p>Question: Can the State provide more clarity on what is figure 5.6 million and its connotation. Does this relate to the number of corporations or the individual records of all relevant data to be analysed?</p>	<p>This refers to the number of individual records and not the number of corporations.</p>

QUESTIONS	ANSWERS
<p>40. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 37</p> <p>Question: The following questions are aimed to arrive at an estimate for sizing the system</p> <ul style="list-style-type: none"> - The intermediate workload is specified as 5.6 million records for one or two users. Is this across both users or individually? - How much is the overall workload anticipated say on a monthly basis ? <p>Will the load be even across all months or is it anticipated to peak in some months ?</p> <p>What is the peak load ?</p> <p>-</p> <p>What is the expected annual growth rate of the data that needs to be analysed. .</p>	<p>It could be accessed simultaneously by the 2 concurrent technical users.</p> <p>Models could be run on a daily basis for some models, and weekly or monthly for other models. We do not rule out the possibility of running models more than once a day.</p> <p>The workload may be increased during tax season, approximately late January through May.</p> <p>The peak load of tax returns could number tens of thousands per day.</p> <p>Annual growth rate of data can be approximated at 5 percent.</p>
<p>41. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 38</p> <p>Question: Is it ok to assume that the State will enumerate and provide details of the specific tax programs for which data is to be analyzed and also detail the mechanism/rules for spotting the non-filers and under reporters of corporate income tax during the requirements analysis?</p>	<p>The State will specify which tax programs to analyze. The mechanism and rules for spotting the non-filers would be the task of the software, which would be subject to State approval.</p>

QUESTIONS	ANSWERS
<p>42. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 39</p> <p>Question: Can the State indicate how many corporations data is covered under this system and the approximate size of data of each corporate that will need to be analysed.</p>	<p>The State is unable to provide specific information at this time due to this being part of our data cleansing, which is not part of this RFP.</p>
<p>43. RFP Section Reference: V (Proposal Instruction)-A (Technical Proposal Submission)-2 (Corporate Overview)-d (Office Location) and Mandatory Bidder Conditions</p> <p>RFP Page Number: Page 39 and Form</p> <p>Question: What are the options available to a vendor if he has no bona fide office in Nebraska but has a registered corporate office in another US state and a presence across other states of the USA? The installation and testing will need to be done at the State's onsite location but can a Contractor provide maintenance and support services from a near shore location ? Is it acceptable to the State if the Contractor operates out of a project office in Nebraska set up specifically for the project for period of onsite support in such a case ?</p>	<p>The contractor will have to be current on all legal requirements for furnishing the software and providing consultant services in Nebraska. A project office in Nebraska for the project for onsite support will be acceptable. Offsite help desk services must be located in the United States.</p>
<p>44. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 40</p> <p>Question: How often is the data in the source data warehouse and other sources of data for this application refreshed ?</p>	<p>During tax season, tax information is loaded into our databases daily. Outside of peak tax season, various data are typically received on a monthly basis.</p>

QUESTIONS	ANSWERS
<p>45. RFP Section Reference: Provide narrative descriptions to highlight the similarities between the bidder's experience and this Request for Proposal. These descriptions must include:</p> <p>RFP Page Number: Page 40</p> <p>Question: What are the types of past contractor projects/case studies will the state will be looking at when evaluating the contractor. Can we provide experience of business intelligence data ,analytics and slicing and dicing of information and other such experience?</p>	<p>Please comply with all RFP requirements as written.</p>
<p>46. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 41</p> <p>Question: Is analysis expected to be done in a window of time ? Or is it expected to be a continuous process over the year ?</p>	<p>Some analysis may be conducted on a monthly basis. However we anticipate some analysis will need to be done daily, and perhaps more than once per day during peak tax season.</p>
<p>47. RFP Section Reference: IV B - Technical Requirements</p> <p>RFP Page Number: Page 42</p> <p>Question: Can the State provide us some approximate figures on how many users (Both technical and end users) are expected to be covered under training and how many training sessions are anticipated by the State ?</p>	<p>Two technical users and approximately ten (10) end users in initial training. One session for each set of users. There may be additional training sessions depending on the needs of the State.</p>
<p>48. RFP Section Reference: General Query About Solution Usage Time</p> <p>RFP Page Number: Nil</p> <p>Question: Can the State kindly provide the time of day in which this system is expected to be used. Is it the same as the timing of the helpdesk i.e. 8 am to 5 pm Monday to Friday excluding State Holidays?</p>	<p>The system will be used from 8 a.m. to 5 p.m .Monday through Friday excluding State Holidays.</p>

QUESTIONS	ANSWERS
<p>49. How many end users?</p> <p>How many technical users?</p> <p>How many people (total) will need access to the reports generated?</p> <p>How many people will be generating reports?</p>	<p>Ten (10) initial end users.</p> <p>Two (2) technical users.</p> <p>All twelve (12) technical and end users will need access to the reports generated.</p> <p>We anticipate that ten (10) end users will be generating reports and primary users of the reports.</p>
<p>50. How many databases do you need to pull data from? What is the total size of data that will be accessed?</p>	<p>There may be 4-6 databases accessed for any given model. Total number of records processed initially could be five (5) million.</p>
<p>51. In D. Deliverables (p.41), you request hourly rate for a Modeler. Will you only require one modeler? And will the Modeler be the only expected user to create reports and perform predictive analytics?</p>	<p>The Department will require one modeler who will work with the Department's staff to create reports and perform the predictive analytics.</p>
<p>52. TECHNICAL REQUIREMENTS QUESTIONS (Section IV B)</p> <p>In section A. TECHNICAL REQUIREMENTS there is a requirement for 'Bayesian'. Are there requirements beyond the Naïve Bayes Classifier? This is the most commonly used data mining Bayesian technique.</p>	<p>Naive Bayesian is the algorithm that must be supported.</p>
<p>53. OPTIONAL PREDICTIVE ANALYTIC ALGORITHM MODELS</p> <p>Text Mining Model</p> <p>Statistica Data Miner has the option to include a Text Miner Module. Is this request for a specific model to be built or the capability to build a text mining model?</p> <p>Social Networking Model.</p> <p>What are the requirements of the social networking model? Is the request for a custom built model deliverable to the State of Nebraska? Would it be on-site consulting to help build such a model? This work would require targeted and specific requirements.</p>	<p>No, Text and Social Networking models are optional. If these are available, please provide pricing information.</p> <p>These are optional and for informational purposes as to the capability of the software.</p>

QUESTIONS	ANSWERS
<p>54. ATTACHMENT A Request for Proposal Number 4752Z1</p> <p>“Describe in detail if your software has a “marketplace” where commercial/open-source 3rd party add-ons are available? Describe in detail any add-on products that are available and any third-party add-ons that you support.”</p> <p>Can you please elaborate or provide an example for such a marketplace?</p> <p>Describe in detail the options for scaling up (adding computer nodes, distributing across the network, Hadoop) for increased number of models and/or records.</p> <p>Are you referring to hardware requirements? Is the Hadoop technology currently installed on the premises? What is the current configuration? If so, can you estimate the number of models and records currently used and forecasted? Please provide any additional information you can on the current Hadoop configuration, current and projected use.</p>	<p>A marketplace is usually either a website or available within the application and lists optional "plug-ins" that target specific needs. Open source software applications are more likely to offer "marketplaces" where interested users can share projects that may be useful to others. Marketplaces can be free and open source or proprietary. Programs that offer marketplaces include: Firefox and Eclipse IDE. The Adobe Photoshop marketplace URL is: https://creative.adobe.com/addons</p> <p>Hadoop is not currently installed, but is an important and popular tool for data mining. In the interest of future expansion, we would like information about how your solution works with Hadoop or other "divide and conquer" approaches that can utilize processing nodes to increase throughput.</p>
<p>55. Form A.4 – Optional Products/Services</p> <p>Please provide information on “Text Mining Model” and “Social Networking Model” if there are requirements in addition to what is covered in “OPTIONAL PREDICTIVE ANALYTIC ALGORITHM MODELS”.</p>	<p>These are optional. If they are available please provide pricing information, etc. Please indicate if your text or social modules require other software to operate (for example, Adobe Reader for text mining, etc.)</p>

QUESTIONS	ANSWERS
<p>56. Social Networking Model</p> <p>a. What is your definition of social network modeling?</p> <p>b. What are some of your objectives?</p> <p>c. Please describe its priority as it relates to the other advanced analytics requirements</p> <p>d. If the inclusion of such capability substantially increases the price, should we still include it as part of our response?</p>	<p>Required tasks for social network modeling would be to provide charts showing connections between users on Facebook, followers on Twitter, etc.</p> <p>In general, we would want to find connections between people. This may be useful in future projects to prevent fraud.</p> <p>Text and social mining are not immediate concerns, but likely topics of interest in a few years</p> <p>You may specify the price of these optional modules on Form A.4 of the RFP.</p>
<p>57. RTM -2 asks to “Describe in detail how your software incorporates workflow”</p> <p>a. Can you please define what you mean by “workflow?”</p>	<p>See answer to question number 5.</p>
<p>58. RTM- 15</p> <p>a. Please describe what you mean by “marketplace”</p>	<p>See answer to question number 54.</p>
<p>59. Is there a price range you are hoping this solution/contracting effort falls between?</p>	<p>Bidders should provide their best proposal, including cost, to fulfill all requirements of the RFP.</p>
<p>60. RTM-3 asks about Oracle Standard Edition database access. It runs on Windows, Linux, and Unix operating systems. Which system(s) does the State of Nebraska utilize? Please describe each.</p>	<p>Oracle currently runs on Windows Server 2003. We are in the process of moving to Windows Server 2012.</p>
<p>61. 2RTM-6 references a virtual server environment. Please describe the system you already use or intend to use.</p>	<p>We prefer to use existing hardware as specified in Appendix A.</p>

QUESTIONS	ANSWERS
<p>62. The RFP does not mention a firewall or security requirements, and Oracle Standard Edition database is available on the Cloud. Please provide details on any security measures Nebraska uses that might interfere with access to data.</p>	<p>Appropriate measures are taken to secure the State of Nebraska data network. If configuration changes need to be implemented to access data for a specific purpose they can be addressed.</p>
<p>63. Given the sensitive nature of the corporate income tax data, please describe any additional measures, certifications or credentials that will provide the State with the confidence that a team can be entrusted to execute the project.</p>	<p>These were detailed in the RFP in the definition of terms (Confidentiality).</p>
<p>64. What is the volume of data that is currently contained in the Oracle Standard Edition database? (in GB)</p>	<p>This information is not available.</p>
<p>65. Please describe the velocity of the data. Does the State update the database continually as data is submitted?</p>	<p>We receive information for some tax projects on a monthly basis. During peak tax season, we receive thousands of tax returns per day. We require the ability to analyze tax data daily.</p>
<p>66. Does the State need to run in batch mode, or is there a need to run analytics in real-time and/or streaming, as returns are posted?</p>	<p>The Department anticipates running models in batch mode.</p>
<p>67. Please describe performance criteria expectations. Does the State need to process X amount of data in X amount of time?</p>	<p>This RFP is for a specific set of models to run in a specific time frame.</p>
<p>68. RTM-19 references Hadoop. If Nebraska currently uses Hadoop, please describe how it is configured (Hadoop 1.0, 2.0, or both? Which distribution? Or is the State using the generic Apache Hadoop distribution?) If not, please describe what the State intends to do with Hadoop.</p>	<p>We do not currently use it, but may need it in the future to handle large volumes of data. Additionally, there is an active ecosystem of tools that depend on Hadoop that provide additional features, like near real-time querying.</p>
<p>69. How many fields of data are in the corporate income tax database?</p>	<p>The corporate database has approximately one hundred (100) fields.</p>
<p>70. RTM-4 mentions missing or invalid data. Are there more than one database that has differing taxonomies? Are there existing rules?</p>	<p>There could be more than one database involved with corporate taxes, and some data may be missing or otherwise invalid. Legislative changes cause changes in data captured. The information is captured on line title and not line number.</p>
<p>71. Does Nebraska have a need to cleanse existing datasets?</p>	<p>This task will be handled separately and is not part of this RFP.</p>

QUESTIONS	ANSWERS
<p>72. RTM-16 and RTM-18 reference algorithms that might be incorporated into the project. If provided by our organization, we would be licensing third-party algorithms to solve the problems defined by the owner of the project. Please describe whether Nebraska would prefer to pay third-parties or have our organization pay those vendors and mark-up those expenses.</p>	<p>The department would like to know if the ability exists to create our own custom modules that could interface with your software. Outside providers of custom modules can be listed separately. List price information for these custom modules separately from your base software solution. The Department would prefer to make all payments to the contractor.</p>
<p>73. RTM-24 asks about help desk services available to Nebraska. How many users will need help desk services throughout the duration of the project (even after hand-off is complete)? What are the hours of operation/support requirements?</p>	<p>The number of technical users who need help desk service is two (2). The hours of operation will be 8 a.m. to 5 p.m. Monday to Friday excluding State Holidays.</p>
<p>74. RTM-27 inquires about training. What is the experience level and education of the staff who will need to be trained?</p>	<p>The staff will have IT and audit backgrounds</p>
<p>75. Page: 3</p> <p>Section: RTM -3 Describe in detail how your software will interface with Oracle Standard Edition databases. Describe in detail any limitation with interfacing with Oracle database and your software.</p> <p>Question: What versions of Oracle database should the solution work with?</p>	<p>The solution should work with Oracle Standard Edition version 11g.</p>

QUESTIONS	ANSWERS
<p>76. Page: 3</p> <p>Section: RTM -5 Describe in detail the process that will be used to develop and implement the corporate income tax project. This should include time frames and State staffing requirements.</p> <p>Question: 1. Would this project be a one-off project or an on-going engagement? How many models are expected to be built?</p> <p>2. Would this be a build, train and transfer to Nebraska?</p> <p>3. Would there be accompanying training during the model development?</p>	<p>This will be for the project outlined in the RFP. The number of models could vary.</p> <p>This will be a build, train, handoff, and support.</p> <p>Yes.</p>
<p>77. Page: 11</p> <p>Section: Text Mining Model Social Networking Model</p> <p>Question: What are the sources of text and social data should the proposal consider?</p>	<p>For text, assume PDF format will be the primary input format.</p> <p>For social mining, Facebook and Twitter feeds would be most important.</p>