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Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1379271

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0210

Vendor ID: VS0000040361

SO Doc ID: ISC2400000011

Legal Name: Advanced Analytical Systems, Inc.

Published Date: 3/1/24

Alias/DBA:

Close Date: 3/6/24

Total Bid: \$1,048,320.00

Close Time: 13:30

Response Date: 03/05/2024

Status: Closed

Response Time: 6:23

Solicitation Description: Addendum No 1 -Professional Database Engineer (OT24116)

Responded By User ID: AASystems

Total of Header Attachments: 1

First Name: Priyanka

Total of All Attachments: 1

Last Name: Arora

Email: info@advancedanalytics

Phone: 7033482871

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Professional Database Engineer - YR1	2080.0000	HOUR	120.000000	249600.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Professional Database Engineer - Optional YR2	2080.0000	HOUR	124.000000	257920.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Professional Database Engineer - Optional YR3	2080.0000	HOUR	128.000000	266240.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Professional Database Engineer - Optional YR4	2080.0000	HOUR	132.000000	274560.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Fill out an hourly rate into the unit price field. The quantity amount is estimated for evaluation purposes only. The actual hours used may vary depending on usage.



RFQ Title: Professional Database Engineer
Solicitation Number: CRFQ 0210 ISC2400000011
Response submitted to: Toby L Welch
West Virginia Department of Administration
2019 Washington Street East
Charleston, WV 25305-0130
Phone: (304) 558-8802
Email: toby.l.welch@wv.gov

Proposal Submitted by: Priyanka Arora, President
Advanced Analytical Systems, Inc.
24035 Suite A, Whitten Farm CT, Aldie, Virginia - 20105-2767
Phone: 703-348-2871 | Email: info@advancedanalyticalsystems.com
<http://www.advancedanalyticalsystems.com>

Proposal due Date & Time: 1:30 PM on March 6, 2024





Advanced Analytical Systems, Inc.

Cover Letter

Dated: Mar 6, 2024

Kind Attn: Toby L Welch
West Virginia Department of Administration

We, Advanced Analytical Systems, Inc., would like to thank you for the opportunity to respond to the **Solicitation Number CRFQ 0210 ISC240000011 for Professional Database Engineering Services**, with the Department of Administration. We hope that the information presented in the response clearly demonstrates our capabilities and proven experience in fulfilling your requirements.

Advanced Analytical Systems, Inc. is an accomplished IT Solutions company with experience in providing high quality solution to its key clients across the nation. We are highly accomplished workforce Solution Company with an extensive staffing and employment outsourcing infrastructure.

We have gone through requirements of this **Professional Database Engineering Services** contract and based on our experience, we have prepared proposal, demonstrating our understanding of Department of Administration Consulting and technical service requirement and providing best solution, resources, and that too within competitive price.

In case of any query, please feel free to reach me.

Sincerely yours,

Priyanka Arora
President
Advanced Analytical Systems, Inc.
Phone: 703-348-2871

Table of Contents

1. Purpose & Scope..... 1
2. Qualifications 2
3. Mandatory Requirements 14
4. Miscellaneous 14
5. Proof of Insurance 15
6. Required Forms 16
 Designated Contact and Certification & Signature Form 16
 Addendum Acknowledgement Form 17

1. Purpose & Scope

Advanced Analytical Systems, Inc. (AASI) gratefully acknowledges the comprehensive requirements outlined by the West Virginia Purchasing Division on behalf of the West Virginia Office of Technology (WVOT) for the procurement of a Professional Database Engineer. The primary objective is to secure a qualified professional who can collaborate with other Database Engineers and Administrators within the Enterprise Solution Services department to design, execute, and maintain infrastructure based on Microsoft SQL Server, Microsoft Dynamics, and Hyland OnBase for WVOT. Additionally, the chosen candidate will be responsible for ensuring the proper functioning of databases, applications, and reports within this environment, providing essential support, documentation, and training to WVOT employees as needed.

At AASI, we are well-equipped to deliver on these requirements. With a team of experienced professionals possessing expertise in database engineering, system maintenance, and application support, we are confident in our ability to meet WVOT's needs effectively. Our approach emphasizes a comprehensive understanding of WVOT's objectives and challenges, allowing us to tailor our solutions accordingly. Leveraging our experience of over 11 years in providing similar services, we bring a wealth of knowledge and best practices to the table. Our methodology involves meticulous planning, agile execution, and continuous communication to ensure alignment with WVOT's goals throughout the project lifecycle. We prioritize collaboration and transparency, fostering a productive working relationship with WVOT stakeholders. Additionally, our team is well-versed in the technologies and tools specified in the requirements, including Microsoft SQL Server, Dynamics CRM, Hyland OnBase, and others, enabling us to hit the ground running from day one. Our approach emphasizes not only the development and functionality of databases and applications but also the provision of comprehensive support, documentation, and training to ensure seamless integration and optimal performance.

2. Qualifications

About Us: Advanced Analytical Systems, Inc. (hereafter referred as “AASI”), founded in 2013 in Virginia, is an Information Technology Consulting and Staff Augmentation Services company, helps its clients in aligning the right strategy, people, processes, and technology to improve performance at all operational levels. At AASI, we empower client success at every stage of the organizational lifecycle. Our Performance Delivery Solutions help our clients strengthen business and mission outcomes, drive operational effectiveness, and achieve integrated learning and performance management. We are an unconventional technical staffing agency, and our partnership model focuses on your unique needs-supporting short-term, seasonal, or temporary IT staffing agencies requirements, providing contract-to-hire talent for project-based support with the



option to hire the contractors as permanent employees, or finding the permanent top talent your company needs today. Our IT consulting services cover Contract Staffing with onsite, offsite, and offshore (IT staff outsourcing) services. Being one among the most reputed IT staffing companies in the industry, we offer a wide range of temporary staffing services including IT staff augmentation companies, temporary staffing companies, IT consulting, technology staffing companies, or technical staffing solutions, and IT contract staffing.

AASI is one of the nation's leading providers of Technology and Workforce Solutions. We serve companies across the nation. We have been providing innovative solutions and quality temporary labor across different industries for the past 11+ years. Our success can be attributed to our honest and flexible approach, as well as a client-oriented philosophy, where we always make it right. We have a thriving culture, born from employees that bring creativity, integrity, innovation, and a high level of energy to the job each day. We know that these attributes are important in a service company and that our clients benefit immensely from culture. We humbly acknowledge that this way of doing business has helped us enjoy much national recognition for growth and achievement in our field.

AASI focuses on providing high-tech solutions to its clients. We are strategically positioned to easily accommodate all our customers. At AASI we pride ourselves in our ability to provide quality talent. We have a proven ability to find, attract and retain similar talent across the country for our clients. Advanced Analytical Systems, Inc. has emerged as a full-service staffing firm, and can provide resources for areas like IT support, Database administration, Application development, Infrastructure support, Admin/ Clerical, Call Center, Engineering, Human Resources, Finance/Accounting, Managerial, Telecom/ Wireless and several others. We have different internal teams focused on each category and have been successful in working with clients to fill their needs across these categories.

OUR MISSION - To make the best possible match between people and companies, building lasting relationships on our foundational belief that people are what move companies forward.

AASI certified database consultants can provide online expertise for popular database platforms including Microsoft SQL Server, Oracle, MySQL, and Microsoft Office Access. RDBMS services available from AASI include database administration, application development and troubleshooting, and database architecture. AASI DBA consulting covers software installation and configuration, replication and synchronization strategies, storage management and capacity planning, backup/ restore options, performance tuning, change management, data migration, database consolidation, security and compliance, and troubleshooting. AASI database application development services include requirements analysis, logical

and physical modeling, ETL development, normalization and data integrity, software installation and testing, plus documentation and training.

We offer expertise in Business & Mission Support, Technology Optimization and Learning & Performance Management. We have experience providing services to commercial agencies who are further serving government agencies through our resources. We help our clients meet the challenges faced as a result of legislative changes, constituent demands, technology advancements, and economic trends. We are familiar with current issues, landscapes, and trades-offs and have a wealth of experience in finding creative and customized solutions.

AASI's recruitment process ensures that positions are filled rapidly with highly qualified professionals that fit well into AASI's organization and will fit with State of West Virginia project teams. As a fast growing and innovative organization, our focus is to acquire the best and the brightest staff to support our clients' business needs. We also maintain alliances with multiple staffing organizations and professional IT and consulting companies to augment our recruiting efforts when needed. Whenever possible, AASI utilizes local subcontractors to supplement our recruiting pool. These alliances make it possible for us to have extensive reach-back capability as well as being able to fill requests for niche competencies required on work orders.

AASI believes in transparent communication between our team and client. For each project, there is an assigned Accounts Manager responsible for client service delivery. They are responsible for ensuring all day-to-day items needing communications are addressed. AASI empowers its project managers to make appropriate decisions for the project, while keeping the client and AASI's management informed.

IT consulting and technical Challenges

High demand for technical talent has created a market where companies are competing for top candidates, struggling to balance budget with salary and benefits to attract top candidates. A staffing partner with deep knowledge of your target market can help improve your competitive advantage and find the right offer for the right candidate.

Business agility often requires scaling technical talent on little notice to meet changing business needs, and it may not be cost-effective to hire regular full-time employees for a limited-time project. With an IT staffing agency like AASI, companies can expand their network of available candidates for full-time, contract to hire, temporary staffing, and consultant roles. With a pool of 6+ experienced IT recruiters, we are equipped to find the best fit options for the requirements. We ensure quality in finding top talent to meet your specific needs. We present you reviewed list of best candidates who match your requirements screened through our robust qualification process. We utilize a referral-based sourcing strategy and leveraging our enormous technology network build in last two decades of IT services and solutions. Our commitment is to bring the best match for the requirements. With this genuine intention we drive the relationship and ensure performance and retention.

Key Differentiators

At AASI, we recruit extraordinary talent to add value to your company. Our commitment to providing customized service along with top quality candidates is our strength. Through knowledge of the staffing marketplace, we can react quickly to the ever-changing demands of our clients. Our dedication to deliver the highest level of service enables us to continue to build long-lasting relationships. Here are few key differentiators, which help us to deliver the best to our client:

- **Unique Talent:** We understand that top candidates are hard to find – and harder to recruit. However, with AASI, our staffing team and staffing model make it possible to recruit the unique talent. We are not constrained by the “off-limits” restrictions that hamper staffing firms. We leverage that unique advantage to find prime talent that other firms miss or cannot recruit

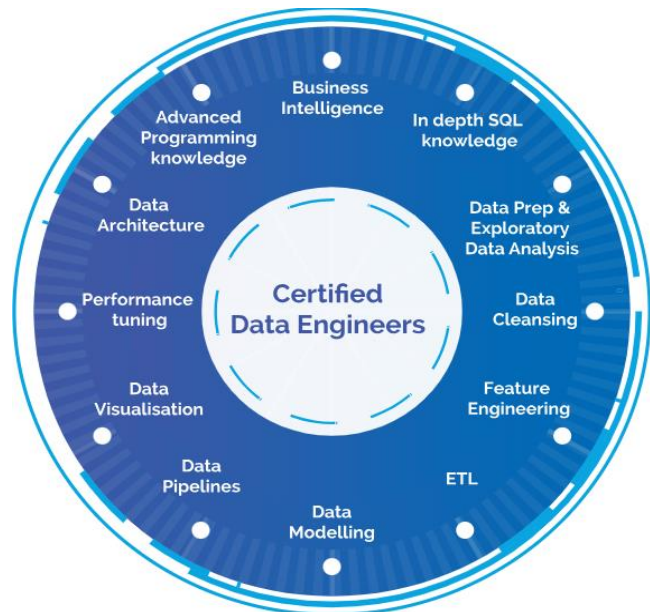


because operational restraints. We pinpoint the best talent for a wide variety of both public and private companies.

- **Artificial Intelligence for Recruiting:** Our tool uses machine learning to identify successful sourcing patterns and draws potential candidates out of millions of online profiles by applying this algorithm to your existing resume database and beyond. Our tool is designed to streamline and automate some part of the recruiting workflow, especially repetitive, high-volume tasks. For example, our tool applies machine learning to resumes to auto-screen candidates and conducts sentiment analysis on job descriptions to identify potentially biased language.
- **Integrity:** We strongly believe in doing what we promise and doing it well. We are candid about what we are good at and we play to these strengths. The relationship we maintain with our clients and candidates is based on trust, mutual respect, and candor. We follow strict ethical standards and maintain complete confidentiality for clients and candidates alike.
- **Inclusive:** We understand diverse experiences lead to fresh ideas, perspectives, and business values. We help you build teams that mirror and the requirements of the organizations. When working with AASI, clients gain unmatched access to a highly diverse candidate pool. Knowing the right leader can sometimes come from unexpected places, we look beyond any single sector or function to identify opportunities to capture top talent.
- **Financial Stability:** AASI is a financially stable company, which is evident by consistency, stability, and resilience since the day AASI was founded. We emphasize greatly upon quality and transparency of our financial practices and employ high-quality accounting standards and procedures in preparing our financial statements and assuring their accuracy. There are no conditions such as bankruptcy, pending litigation, planned office closures, or an impending merger, which may impede our ability to complete the project.
- **Hands-On Owners:** At AASI, owners are very involved in each account to ensure we are consistently exceeding expectations.
- **Long-Term Solutions:** We are intensely focused on providing lasting solutions that achieve your business initiatives.
- **Faster, Easier Job Placements:** Superior technology and 24/7 service allow us to rapidly match the right people to the right jobs – and rapidly scale your operations.

Our Capabilities

Within a large organization like WVOT, the landscape of operations management software is vast, encompassing various systems such as ERP, CRM, and production systems. Consequently, numerous databases are utilized, leading to data fragmentation and hindering a clear view of the organization's overall state. The challenge arises when trying to consolidate sales data from dedicated databases and integrate it with inventory records stored in SQL Server, among other scenarios. To address this, the concept of a data warehouse emerges as a solution - a unified storage system where data is collected, standardized, and made accessible for analysis. Data engineers play a pivotal role in this process, managing the movement of data between systems, whether it's from a SaaS application to a data warehouse or between databases. On the other hand, a data architect is tasked with designing and structuring the data warehouse, selecting data sources, and establishing a standardized data format. For WVOT, grappling with big data or lacking the necessary infrastructure for advanced analytics, Database Engineering becomes indispensable.



At AASI, we excel in leveraging data to drive innovation and efficiency. Our seasoned experts possess profound knowledge in database engineering, offering bespoke solutions tailored to our clients' unique

needs. We take pride in delivering cutting-edge database solutions that enhance performance, security, and scalability across diverse industries. With a firm commitment to staying abreast of technological advancements, we ensure our clients receive forward-thinking database engineering services. In the realm of AASI, the Database Engineer assumes a pivotal role, tasked with designing, implementing, and managing the organization's database systems. They focus on optimizing database performance, preserving data integrity, and implementing robust security measures. Collaborating with cross-functional teams, the Database Engineer contributes to developing efficient data models and streamlining data access, thereby bolstering the stability and functionality of the company's data infrastructure. As WVOT's trusted partner, AASI stands ready to unlock the true potential of data, empowering smarter, more strategic business decisions.

We specialize in crafting tailored database designs and architectures to address all of WVOT's unique business requirements. Our customized solutions empower WVOT to efficiently analyze and manage its data, offering reliability and cost-effectiveness without compromising on performance. Drawing from years of experience in developing custom database solutions across various sectors, we bring a wealth of expertise to WVOT's doorstep. Our services encompass database consultancy, transformation, and development, delivered by seasoned engineers with extensive experience in creating and transforming business solutions across diverse database platforms. While our forte lies in Oracle-based solutions, our credentials extend to supporting major RDBMS and embedded databases. Additionally, our adept team excels in developing J2EE, SOA, and distributed database systems.

At AASI, we take a comprehensive approach to database design and development, beginning with a thorough analysis of WVOT's requirements, applications, and business environment. This enables us to select the most suitable hardware and database architecture, ensuring that the systems we build align with WVOT's availability and performance objectives. Our expertise spans a wide array of database technologies, including MySQL, PHP, Microsoft® Access, SQL, MongoDB, ASP, and many more. Whether WVOT requires Very Large Databases (VLDB), cloud implementations, or continuity of operations (COOP) solutions, we have the proficiency to deliver. From database high availability and scalability to data warehousing, business intelligence, and performance tuning, AASI is equipped to handle WVOT's diverse database needs with precision and proficiency.

At AASI, we pride ourselves on delivering a comprehensive range of services tailored to meet the diverse needs of our clients. Our commitment to excellence drives us to provide top-notch solutions that empower organizations to thrive in today's dynamic business landscape. Here are the key services we deliver:

- 1. Custom Database Creation:** At AASI, we recognize that in today's data-driven landscape, having a robust and tailored database is imperative for businesses to thrive. Our team specializes in crafting custom database solutions that not only efficiently organize and safeguard your data but also drive actionable insights to propel your business forward. Here's how we can assist WVOT in harnessing the power of bespoke databases:
 - ✓ Tailored Database Development: AASI offers a comprehensive suite of database development services tailored to WVOT's unique requirements. From migrating data from Excel to custom databases supporting web or mobile applications, our team possesses the expertise to bring WVOT's vision to life.
 - ✓ Cloud Database Expertise: Leveraging cutting-edge cloud platforms such as Azure and AWS, we design scalable and dependable cloud databases optimized for data storage, processing, and analysis. Our consulting services further aid in seamlessly transitioning existing databases to the cloud, ensuring maximum ROI on WVOT's cloud investments.
 - ✓ Insightful Business Intelligence: A bespoke database is a gateway to invaluable business insights crucial for WVOT's growth. By effectively managing data related to products, sales, purchases, and commissions, our custom databases empower WVOT to identify patterns and seize opportunities in real-time. Our data-driven dashboards enable WVOT's management to make informed strategic decisions based on up-to-the-minute trends.
 - ✓ Support for Web and Mobile Applications: Our custom database solutions seamlessly integrate with user interfaces and APIs, supporting both web and mobile applications. Whether it's a simple e-form for storing contact information or a sophisticated database underpinning automation and workflows, our team can develop and scale solutions to meet WVOT's needs.

- ✓ Comprehensive Database Design: AASI's database design services encompass every aspect, from recommending the optimal database management system to structuring WVOT's data, designing user interfaces, creating user documentation, and configuring the database system. We ensure that all data is intelligently stored and processed, with optimized indexing, procedures, functions, and other parameters in place for peak performance.
- 2. Database Maintenance and Management:** At AASI, we understand the critical role that efficient and reliable database maintenance plays in the seamless functioning of businesses in today's data-driven landscape. Our comprehensive database management services are tailored to address every aspect, from performance tuning and monitoring to optimization, ensuring that WVOT's data infrastructure consistently operates at peak performance levels. Experience the Benefits of Our Database Management Services:
- ✓ Boost Business Effectiveness with Expert Management: Our database management services are meticulously designed to support WVOT's most complex, voluminous, and critical applications. By partnering with AASI, WVOT can reduce costs associated with storage and maintenance while adhering to SLAs and ensuring uninterrupted business operations. Our team boasts extensive experience in managing major enterprise databases, including Oracle, Progress, IBM DB2, and Microsoft SQL Server.
 - ✓ Comprehensive Database Administration: Our managed services model ensures maximum value from WVOT's database investments while minimizing complexity. We are committed to efficient monitoring and maintenance of WVOT's business-critical databases through standardized rules engines, streamlined processes, and execution of routine tasks such as upgrades, performance tuning, ETL, migration, and more.
 - ✓ Data Center Management and Consolidation: AASI offers cutting-edge data centers equipped with state-of-the-art network infrastructure, robust physical security, and environmentally safe facilities. By partnering with us, WVOT can consolidate its entire database requirements, leading to significant cost savings on data center expenses.
 - ✓ Robust Backup and Recovery Solutions: Our backup and recovery solutions adhere to best practices, enabling the development and implementation of reliable plans for WVOT's enterprise environments. Our team possesses hands-on experience working with storage and archival applications to ensure the safeguarding of WVOT's data.
 - ✓ Advanced Database Security: We adopt a comprehensive six-step approach to database security, encompassing data encryption, authentication methods, authorization, access restrictions, security policies, and auditing. By aligning with WVOT's security policies and standards, we minimize downtime and protect the integrity of WVOT's data.
 - ✓ Proactive Performance Monitoring and Enhancement: With our managed service model and dedicated team, we guarantee optimized performance of WVOT's business-critical databases round the clock, resulting in predictable outcomes and improved end-user productivity.
 - ✓ Complete Data Security Compliance: Our practices align with robust ISMS models, ensuring data protection at every level and safeguarding against misuse and unauthorized access.
 - ✓ Streamlined Patch Management: We continuously manage and implement patches as they become available, ensuring WVOT's end-users benefit from the latest features and optimal data consumption at all times.
- 3. Data Warehousing Solutions:** In today's data-driven landscape, managing and processing vast volumes of data is pivotal for businesses seeking to stay competitive and informed. At AASI, our Data Warehousing Solutions are meticulously crafted to assist enterprises in handling data effectively and uncovering invaluable insights. Our comprehensive services offer a complete framework for data storage, consolidation, and analysis, empowering WVOT to harness the full potential of its data resources. Experience the AASI Difference:
- ✓ Unifying WVOT's Data Language: Our Data Warehousing Solutions empower WVOT to leverage a unified data language, fostering enhanced efficiency and informed decision-making across the organization.
 - ✓ Expertise across Multiple Industry Verticals: AASI's seasoned and certified consultants bring their expertise across various industry verticals, ensuring a tailored approach for WVOT to maximize the benefits of our data warehousing services.

- ✓ End-to-End Data Warehouse Management Services: We offer a comprehensive suite of data warehousing services, encompassing consulting, development, migration, and support, enabling WVOT to leverage its data resources to the fullest.
- ✓ Customized Solutions: Our Data Warehousing Solutions are carefully curated to align with WVOT's unique business requirements and infrastructure, ensuring seamless integration and optimal performance.
- ✓ Swift Turnaround Time: AASI's flexible delivery model accelerates the implementation of our data warehousing services, allowing WVOT to access valuable business insights in a timely manner.

Our Comprehensive Data Warehousing Services:

- ✓ Data Warehouse Consulting: Our data warehouse consulting service assists WVOT in evaluating its organization's needs, determining whether to upgrade, migrate, optimize, or implement a new data warehouse solution.
- ✓ Data Warehouse Development: Our expert team designs and develops data warehouses tailored to WVOT's specific business needs, ensuring compatibility with its existing infrastructure.
- ✓ Data Warehouse Migration: With a deep understanding of cloud technology, our team strategically plans and executes data warehouse migration projects, ensuring seamless transition and success.
- ✓ Data Warehouse Support: We offer reliable data warehouse support services, ensuring that WVOT's data warehouse remains a valuable source of business insights, driving informed decision-making.

4. Data Migration Services: Navigating the complexities of platform changes, system upgrades, or data consolidation requires a partner with expertise and precision. At AASI, we recognize the criticality of a seamless and accurate data migration process. Our team of experts oversees every aspect, from meticulous planning and testing to flawless execution and validation, ensuring minimal disruption to WVOT's operations and maximum efficiency throughout the migration journey. AASI offers a comprehensive suite of data migration solutions tailored to WVOT's diverse needs. Whether modernizing legacy systems, migrating to the cloud, or integrating data from acquisitions, we provide robust solutions that align with WVOT's strategic objectives.

- ✓ Proven Methodologies and Tools: Our data migration services are underpinned by proven methodologies and industry best practices, ensuring a zero-loss approach while minimizing business disruption and downtime. With advanced tools and techniques, we guarantee a smooth transition with minimal risk.
- ✓ Pre-Migration Planning: Prior to migration, our team conducts a meticulous assessment of WVOT's data landscape, examining both source and target systems. This assessment enables us to establish data standards, identify potential gaps, and craft a strategic migration plan tailored to WVOT's unique requirements.
- ✓ Data Inspection and Quality Assessment: We employ rigorous data analysis techniques to assess the quality of data within the scope of migration. By identifying and addressing data quality issues, duplications, and anomalies, we ensure WVOT's data integrity is preserved throughout the migration process.
- ✓ Migration Design and Execution: Our experts design and execute migration processes with precision, employing optimal data extraction, cleansing, enrichment, and mapping strategies. Through meticulous planning and execution, we guarantee a seamless transition of WVOT's data to its new environment.
- ✓ Rigorous Testing and Validation: Throughout the migration process, we conduct rigorous testing and validation procedures, including user acceptance testing (UAT) by WVOT stakeholders. This ensures that the migrated data meets WVOT's quality standards and operational requirements.
- ✓ Application Modernization: As part of our data migration services, we offer application modernization solutions to revitalize WVOT's legacy systems. By optimizing performance, cost efficiency, and scalability, we ensure WVOT maximizes the potential of its technology investments.
- ✓ Enhanced Data Analytics and Discovery: Our data migration consulting services extend beyond migration, empowering WVOT to unlock the full potential of its data. Through enhanced data analytics, machine learning, and data science capabilities, we enable WVOT to derive actionable insights and drive informed decision-making.

5. Performance Analytics and Improvement: In today's dynamic business landscape, optimizing performance is paramount to staying competitive and driving growth. AASI's Performance Analytics and Improvement Services are designed to help WVOT identify and address bottlenecks in their data infrastructure, enhance efficiency, and unleash the full potential of their operations.

- ✓ Performance Tuning: At AASI, we prioritize ensuring that WVOT's database systems operate at peak performance levels, eliminating architectural and cost limitations. Our dedicated team specializes in performance tuning, meticulously analyzing, identifying, and resolving bottlenecks within the system. By optimizing databases, indexing data, and enhancing efficiency, we empower WVOT to achieve optimal performance and drive business success.
 - ✓ Architecture Optimization: Our solutions architects and web development teams collaborate closely with WVOT to envision their business evolution and align technology with strategic objectives. Together, we design a roadmap to optimize WVOT's architecture for scalability and long-term growth, ensuring that technology remains a catalyst for business advancement.
 - ✓ Application Optimization: Recognizing the criticality of seamless integration between data solutions and WVOT's broader IT ecosystem, we conduct application optimization to identify and resolve issues. By monitoring interactions between application servers and databases, we address data model inefficiencies and optimize performance, ensuring WVOT's applications operate smoothly and efficiently.
 - ✓ Database Tuning: Similar to regular maintenance for a car engine, databases require tuning to ensure optimal performance. Our team specializes in tuning various database engines, including Oracle, SQL Server, PostgreSQL, MySQL, and AWS Redshift. By optimizing configurations, analyzing model efficiency, and fine-tuning queries, we ensure WVOT's databases operate at peak performance levels.
 - ✓ SQL Rewrite: Understanding that each problem has multiple solutions, our SQL rewrite expertise enables us to transform requests into efficient and stable solutions. By optimizing SQL queries, we maximize performance, stability, and scalability, supporting WVOT's business growth and success.
- 6. Data Integration Solutions:** In today's data-driven business landscape, the ability to consolidate and centralize data from diverse sources is crucial for making informed decisions and driving organizational growth. AASI specializes in providing customized data integration solutions tailored to WVOT's unique business requirements, enabling them to harness the full power of their data assets.
- ✓ Unlock the Potential of Integrated Data: As WVOT's operations expand, so does the complexity of their IT infrastructure. A dynamic data integration solution is essential for connecting multiple systems, streamlining data interoperability, and aligning with WVOT's strategic objectives. With the advent of cloud technologies, AASI facilitates the creation of a connected application ecosystem that ensures robust data connectivity across WVOT's systems.
 - ✓ Tailored Data Integration Solutions for WVOT: Recognizing the uniqueness of WVOT's business, AASI designs and implements customized data integration solutions to manage a diverse range of data from various sources, systems, and applications. By eliminating data silos, our solutions provide WVOT with access to relevant and contextual information, enabling effective decision-making and enhancing operational efficiency.

Key Features of Our Data Integration Solutions:

- ✚ Organized Information Flow: Our solutions integrate all data sources in real-time, providing WVOT with a comprehensive view of customer and enterprise data.
 - ✚ Streamlined Collaboration: We develop data touchpoints that facilitate seamless collaboration across departments, promoting teamwork and enhancing productivity.
 - ✚ Access to Actionable Insights: By storing and analyzing data, WVOT gains access to actionable insights for both internal operations and external customer interactions.
 - ✚ Enhanced Market Competitiveness: Leveraging timely insights, WVOT can make strategic decisions that drive business growth and maintain a competitive edge in the market.
- 7. Data Pipelines:** In the modern business landscape, the seamless flow of data between systems is essential for driving informed decision-making and ensuring operational efficiency. AASI specializes in developing and maintaining robust data pipelines that facilitate the accurate and timely transfer of information, empowering WVOT to harness the full potential of their data assets. Full automation of data pipelines is key to unlocking WVOT's data-driven potential. By automating the extraction, transformation, and integration of data from various sources, AASI enables WVOT to build a dynamic ecosystem that leverages data for strategic insights and operational efficiency. Our Data Pipeline Automation Services:
- ✓ End-to-End Data Flow Architecture Design: AASI designs efficient and scalable data flow architectures tailored to WVOT's unique business requirements, ensuring seamless data movement across systems.

- ✓ Cloud-Based ETL Process Implementation: We implement cloud-based Extract, Transform, Load (ETL) processes to streamline data movement and integration, leveraging cloud technologies for enhanced scalability and performance.
- ✓ Integration with Existing Data Sources and Services: Our team ensures seamless integration of WVOT's data pipeline with existing data sources and services, maximizing efficiency and accessibility while minimizing disruptions to ongoing operations.
- ✓ Development of Data-Driven Applications: AASI develops innovative data-driven applications that leverage WVOT's data pipeline, enabling seamless data flow and empowering WVOT with actionable insights.

Advantages of Data Pipeline Automation:

- ✚ Real-Time Data-Driven Decision-Making: Automation enables WVOT to access and analyze up-to-date information, empowering real-time decision-making based on accurate insights.
- ✚ Enhanced Data Analytics and Business Insights: Automated data pipelines drive better data analytics, enabling WVOT to derive valuable insights that fuel business growth and innovation.
- ✚ Identification and Utilization of Dark Data: AASI helps WVOT uncover hidden data and insights within their organization, turning dark data into valuable assets that inform strategic decision-making.
- ✚ Scalable and Easy-to-Maintain Cloud Solutions: Our cloud-based data pipeline solutions are designed for easy maintenance and scalability, ensuring WVOT's data infrastructure can adapt and grow in alignment with their business needs.

- 8. Data Storage & ELT / ETL:** In today's data-driven business landscape, efficient data management is paramount for achieving success. AASI offers comprehensive data storage solutions complemented by Extract, Load & Transform (ELT) and Extract, Transform, Load (ETL) services, ensuring optimal management and storage of large datasets. Our tailored data storage systems optimize data processing and analytics, equipping WVOT with actionable insights to drive informed decision-making. At AASI, we specialize in developing efficient data pipelines to integrate data from diverse sources, minimize data latency, and facilitate faster insights. Our end-to-end data pipeline development and management services ensure seamless data ingestion, processing, and management, empowering WVOT with timely and relevant information for strategic decision-making. Our Data Pipeline Solutions:
- ✓ Ingest: Quickly and efficiently connect siloed data sources using our proven frameworks. Automate data ingestion and processing from various sources to enable real-time reporting and insights.
 - ✓ Migrate: Seamlessly transition to the most suitable cloud infrastructure at an optimal cost. Improve query performance, enhance scalability, and benefit from robust data lineage, security, and compliance.
 - ✓ Automate: Leverage our expertise in end-to-end data engineering ecosystems and open-source technologies to build flexible ELT solutions with cloud-native code. Streamline data pipelines using a combination of no-code, low-code tools, and automation.

AASI's data storage and ELT/ETL solutions empower WVOT to:

- ✚ Efficiently manage and store data from multiple sources.
- ✚ Optimize data processing for faster analytics and insights.
- ✚ Enhance data security and compliance.
- ✚ Achieve near real-time visibility of insights.

- 9. Data Modernization:** In an era of rapid technological advancement, businesses must embrace data modernization to stay competitive and relevant. AASI's data modernization services empower organizations to optimize existing data infrastructure, adopt cutting-edge data management techniques, and ensure systems remain efficient and adaptable in a dynamic digital landscape. Modern data architecture is the cornerstone of informed decision-making and operational efficiency. Data modernization not only enhances decision accuracy but also mitigates risks associated with data security and compliance, ensuring seamless access to critical information. Our Comprehensive Data Modernization Services:
- ✓ Data Architecture Assessment: Evaluate existing data architecture to identify optimization opportunities and enhance efficiency.
 - ✓ Data Warehouse Modernization: Migrate on-premises data warehouses to cloud-based platforms or upgrade existing systems for improved performance.

- ✓ Data Upgradation: Enhance data systems by adopting the latest technologies and platforms to stay ahead of industry trends.
- ✓ Data Re-platforming: Optimize data processing systems through migration and modernization for enhanced performance and scalability.
- ✓ Data Processing Lifecycle Management: Streamline data ingestion, storage, and repository creation processes to improve overall efficiency.
- ✓ Data Pipeline/Workflow Modernization: Enhance data pipelines and workflows to ensure timely and accurate insights for informed decision-making.
- ✓ Data Governance and Operations: Implement robust data governance and management practices to maintain data quality, integrity, and compliance.
- ✓ Data Security and Access Management: Secure data assets and implement proper access management protocols to safeguard sensitive information.
- ✓ Data Transformation and Migration Services: Seamlessly transform and migrate data assets to new platforms or systems for improved functionality and efficiency.
- ✓ ETL/ELT and Custom SQL Scripts: Optimize Extract, Transform, Load (ETL) and Extract, Load, Transform (ELT) processes with custom SQL scripts for enhanced performance and scalability.

Experience the Benefits of Data Modernization with AASI: By partnering with AASI for data modernization, organizations can unlock numerous benefits, including:

- ✚ Scale Management: Expand data platforms to accommodate growing data volumes and business needs.
- ✚ Reduced Latency: Access data quickly and efficiently, enabling faster decision-making and insights.
- ✚ Cost Management: Implement cost-effective solutions that future-proof your data environment and maximize ROI.

10. Distributed Real-Time Data Processing: In today's dynamic business landscape, quick access to critical insights is paramount for staying ahead of the curve. AASI offers cutting-edge distributed real-time data processing solutions to empower organizations with rapid decision-making capabilities. With our expertise, businesses can leverage data effectively, streamline decision-making processes, and enhance overall agility.

- ✓ Mastering Data Ingestion and Processing: AASI assists businesses in developing robust strategies for real-time data ingestion and processing, ensuring seamless flow of data from diverse sources and formats. Our solutions enable organizations to adapt swiftly to evolving data sources, integrate new data seamlessly, and establish efficient workflows.
- ✓ Building Powerful Real-Time Data Processing Solutions: Recognizing the need for flexible and easy-to-implement real-time data processing and streaming solutions, AASI designs and deploys agile data aggregation services. Our expert guidance facilitates the processing of incoming data in real-time, allowing for efficient monitoring and tracking.
- ✓ Designing a Business Event-based Data Ingestion Architecture: AASI excels in crafting efficient and scalable data ingestion architectures tailored to specific business requirements. Our custom-tailored approach enables seamless integration of additional data sources and supports pre/post-processing steps, ensuring adaptability and scalability.
- ✓ Embracing DevOps and Automation for Scaling and Monitoring: To ensure smooth operation of processing services, our team leverages Kubernetes orchestrator for easy scaling, comprehensive logging, and effective monitoring within the data processing environment. Automation and DevOps principles drive efficiency and reliability in our solutions.
- ✓ Creating Actionable Data Perspectives: AASI is committed to helping organizations derive actionable insights from their data. We design intuitive applications and dashboards that deliver tailored insights to decision-makers and stakeholders, empowering informed decision-making at all levels.
- ✓ Crafting a Long-Term Storage Strategy: Preserving data integrity and accessibility is critical for organizational success. AASI assists in developing long-term data storage strategies that ensure data recoverability and enable future data aggregation or issue remediation.

11. Data Quality: High-quality data is the cornerstone of informed decision-making and successful business outcomes. At AASI, we offer comprehensive data quality solutions that ensure accuracy,

consistency, and reliability throughout your data lifecycle. With our services, your business can confidently harness the power of data to drive growth and innovation.

- ✓ Data Quality Essentials: AASI recognizes the critical importance of maintaining data quality across all dimensions. Our solutions focus on enhancing completeness, timeliness, validity, uniqueness, accuracy, and consistency of your data assets. By addressing common data quality issues proactively, such as inaccuracies, compliance gaps, and static data, we ensure that your data remains a trusted asset for decision-making.
- ✓ Proactive Data Quality Management: Our proactive approach to data quality management sets us apart. We assist clients in implementing robust data governance frameworks, maturity models, and end-to-end quality controls. By embedding data quality practices into your processes from source to destination, we help mitigate risks, optimize resources, and seize new opportunities with confidence.
- ✓ Advanced Data Quality Tools: AASI's data quality solutions leverage advanced tools and technologies to enhance data cleansing, auditing, migration, and integration. These tools bolster the accuracy, completeness, and relevance of your data, while AI-driven capabilities like semantic technology and pattern recognition automate tasks and continuously refine data quality.
- ✓ Tailored Data Quality Consulting Services: Our consulting services offer tailored solutions to address your organization's specific data quality challenges. Through our proven Product Data Quality Assessment process, we identify issues, assess their impact, and propose actionable steps for improvement. Working closely with your team, we deliver enhanced product data management processes, robust data governance frameworks, and technology solutions that elevate overall data quality.

Approach: At AASI, we approach the fulfillment of the West Virginia Office of Technology's (WVOT) requirements with a comprehensive and client-centric strategy aimed at delivering exceptional results. Our methodology is founded on years of industry experience, a deep understanding of database engineering principles, and a commitment to meeting and exceeding client expectations. By blending strategic planning, effective communication, meticulous execution, and a relentless pursuit of excellence, we ensure that each project is executed with precision and tailored to WVOT's unique needs. We analyze our clients' existing data infrastructure, identify gaps and opportunities, and develop a roadmap for data engineering implementation. We design and implement efficient data pipelines, ensuring seamless data integration, transformation, and processing to support advanced analytics and decision-making. We architect scalable and reliable data platforms, leveraging cloud technologies, distributed systems, and data lakes, to accommodate growing data volumes and meet future business needs. Our data engineering consulting services establish data quality frameworks, implement data governance practices, and ensure compliance with industry regulations to maintain data integrity and security. Below, we outline the key elements of our approach:

- Thorough Needs Assessment: Our journey begins with a thorough needs assessment, where we engage closely with WVOT stakeholders to gain a comprehensive understanding of their objectives, challenges, and requirements. Through in-depth discussions and analysis, we identify key pain points and opportunities, laying the foundation for a tailored solution.
- Customized Solution Design: Leveraging the insights gathered during the needs assessment phase, our team of seasoned database engineers develops a customized solution design that aligns with WVOT's strategic goals. We prioritize scalability, performance, and security, ensuring that the proposed solution meets industry standards and regulatory requirements.
- Transparent Communication and Collaboration: Effective communication is fundamental to our approach. We maintain open lines of communication with WVOT throughout the project lifecycle, providing regular updates, seeking feedback, and addressing any concerns promptly. This collaborative approach fosters trust and ensures alignment between our team and WVOT's stakeholders.
- Agile Project Management: We embrace an agile project management framework, allowing for flexibility and adaptability in response to changing requirements or priorities. By breaking down the project into manageable iterations, we can deliver incremental value while accommodating evolving needs.
- Comprehensive Testing and Quality Assurance: Quality is ingrained in everything we do. Our rigorous testing protocols encompass functional testing, performance testing, security testing, and user acceptance testing to ensure that the solution meets WVOT's expectations and operates flawlessly in real-world scenarios.

- Detailed Documentation and Knowledge Transfer: We understand the importance of knowledge transfer and empower WVOT staff with comprehensive documentation and training. From database architecture to configuration details, we provide WVOT with the insights and resources needed for ongoing support and optimization.
- Post-Implementation Support and Continuous Improvement: Our commitment to WVOT extends beyond project completion. We provide extensive post-implementation support to address any issues or concerns that may arise, ensuring a seamless transition to the new solution. Additionally, we actively seek feedback and opportunities for continuous improvement to drive long-term success.

Why Choose AASI for Data Engineering Consulting Solutions?

Choosing AASI for data engineering consulting solutions offers numerous strategic advantages for organizations seeking to optimize their data processes and unlock actionable insights. Here are several compelling reasons to partner with AASI:

- Expertise and Experience: AASI is a technology services firm with a proven track record in data engineering. Our team comprises seasoned data engineers, data scientists, and experts who possess extensive knowledge and hands-on experience in tackling diverse data-related challenges. With our deep expertise, we can effectively address complex data engineering requirements and deliver optimal solutions tailored to WVOT's specific needs.
- Comprehensive Solutions: AASI provides end-to-end data engineering solutions encompassing various stages of the data lifecycle, from data ingestion and storage to processing, analysis, and visualization. Our comprehensive approach ensures that WVOT's data needs are met seamlessly, resulting in valuable insights that drive informed decision-making and business growth.
- Client-Centric Approach: At AASI, we prioritize understanding our clients' unique business objectives, challenges, and requirements. Our client-centric approach enables us to develop tailored data engineering strategies and solutions that align closely with WVOT's organizational goals. We collaborate closely with WVOT throughout the engagement to ensure that our solutions meet their expectations and deliver tangible value.
- Regulatory Compliance Expertise: AASI has in-depth knowledge of regulatory and compliance standards across various industries, including finance, healthcare, and telecommunications. We understand the importance of adhering to regulatory requirements when handling sensitive data, and we ensure that our data engineering solutions comply with relevant regulations, mitigating compliance risks and safeguarding WVOT's reputation.
- Innovative Technologies: AASI remains at the forefront of technological innovation, leveraging advanced tools and platforms such as artificial intelligence, machine learning, big data analytics, and cloud computing. By harnessing the power of these cutting-edge technologies, we empower organizations like WVOT to unlock new insights from their data, enhance operational efficiency, and drive competitive advantage in their respective industries.
- Proven Track Record: With a history of successful data engineering projects across diverse sectors and geographies, AASI has earned a reputation for delivering high-quality, results-driven solutions. Our track record of client satisfaction and project success demonstrates our commitment to excellence and our ability to deliver tangible business outcomes for our clients.

Experience: Experience the pinnacle of excellence with our services, where years of dedicated industry experience converge to deliver unparalleled solutions tailored to WVOT's unique needs. Our journey, marked by milestones of success and innovation, is powered by a team of seasoned professionals who bring expertise and insight to every project. With a client-centric approach at our core, we forge strong partnerships to understand WVOT's challenges and exceed expectations. Backed by a proven track record and a commitment to continuous innovation, we stand as WVOT's steadfast partner in success, ready to propel its business forward and unlock new possibilities together.

Project #1

Name of Organization	DHA, Inc.
Services provided	<ul style="list-style-type: none"> • Designed and implemented SQL database solutions to meet specific project requirements. Developed database schemas, tables, and stored procedures based on application needs.

	<ul style="list-style-type: none"> Optimized SQL queries and database performance to ensure efficient data retrieval and processing. Conducted database tuning and indexing to enhance overall system performance. Monitored database activity and performance metrics, identifying and resolving issues as they arose. Implemented database security measures, including user authentication and access controls. Performed regular backups and implemented disaster recovery procedures to ensure data integrity and availability. Provided technical support and troubleshooting for database-related issues, resolving them in a timely manner. Documented database configurations, processes, and procedures for future reference. Conducted database migrations and upgrades, ensuring minimal disruption to operations.
Start and end dates	Feb 2023 – Jan 2024

Project #2

Name of Organization	WeThinkIT, LLC
Services provided	<ul style="list-style-type: none"> Assisted in capacity planning and scalability efforts to accommodate future growth and demand. Conducted performance testing and analysis to identify areas for improvement and optimization. Implemented data replication and synchronization processes to ensure data consistency across multiple environments. Developed and maintained ETL (Extract, Transform, Load) processes to integrate data from various sources into the SQL databases. Conducted database schema design reviews to ensure adherence to best practices and standards. Automated routine database maintenance tasks, such as index rebuilding and statistics updating, to improve efficiency. Collaborated with data analysts to optimize SQL queries for reporting and analysis purposes. Implemented database monitoring tools to proactively identify and address performance issues.
Start and end dates	Jun 2022 – May 2023

Project #3

Name of Organization	Bullz Eye Group
Services provided	<ul style="list-style-type: none"> Assisted in the design and implementation of high availability and failover solutions for critical database systems. Conducted database performance tuning exercises based on profiling and monitoring data to optimize resource utilization. Evaluated and implemented data encryption techniques to enhance data security and compliance with regulatory requirements. Implemented database partitioning strategies to improve query performance and manage large volumes of data efficiently. Conducted regular security audits and vulnerability assessments to identify and mitigate potential risks. Provided technical guidance and support during database-related incident response and resolution efforts. Participated in database capacity planning exercises to forecast resource requirements and allocate resources accordingly. Conducted database performance benchmarking exercises to evaluate the impact of hardware and software upgrades on system performance.
Start and end dates	Aug 2021 – Jul 2022

3. Mandatory Requirements

At AASI, we wholeheartedly acknowledge and commit to fulfilling all mandatory requirements delineated in Section 4 of the contract. These requirements serve as guiding principles, shaping our approach to delivering Contract Services of the highest calibre. With meticulous attention to detail and unwavering dedication, our team pledges to meet or exceed each stipulation outlined, ensuring the successful execution of the contract. From providing a Professional Database Engineer proficient in SQL Server infrastructure to adhering to HIPAA regulations and facilitating optional annual renewals, we are fully prepared to meet the obligations set forth by WVOT. Our steadfast commitment to excellence guarantees that every mandatory requirement will be addressed comprehensively, fostering a fruitful partnership and delivering exceptional results.

4. Miscellaneous

11. MISCELLANEOUS:

11.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Priyanka Arora
Telephone Number: 703-348-2871
Fax Number: N/A
Email Address: info@advancedanalyticalsystems.com

6. Required Forms
Designated Contact and Certification & Signature Form

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Priyanka Arora, President

(Address) 24035 Suite A, Whitten Farm CT, Aldie, Virginia - 20105-2767

(Phone Number) / (Fax Number) 703-348-2871, N/A

(email address) info@advancedanalyticalsystems.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Advanced Analytical Systems, Inc.
(Company) Priyanka Arora
(Signature of Authorized Representative)
Priyanka Arora, President
(Printed Name and Title of Authorized Representative) (Date)
703-348-2871, N/A
(Phone Number) (Fax Number)
info@advancedanalyticalsystems.com
(Email Address)

Revised 8/24/2023

Addendum Acknowledgement Form

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ ISC240000011

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Advanced Analytical Systems, Inc. _____

Company

Priyanka

Authorized Signature

Mar 06, 2024 _____

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 8/24/2023