



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 1

List View

- General Information**
- Contact
- Default Values
- Discount
- Document Information
- Clarification Request

Procurement Folder: 1025461

Procurement Type: Central Master Agreement

Vendor ID:

Legal Name: Advanced Analytical Systems, Inc.

Alias/DBA:

Total Bid: \$890,240.00

Response Date:

Response Time:

Responded By User ID:

First Name:

Last Name:

Email:

Phone:

SO Doc Code: CRFQ

SO Dept: 0704

SO Doc ID: INS2200000004

Published Date: 5/3/22

Close Date: 5/5/22

Close Time: 13:30

Status: Closed

Solicitation Description:

Total of Header Attachments: 1

Total of All Attachments: 1



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 1025461
Solicitation Description: Technical Staffing Service- Data Base Administrator
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2022-05-05 13:30	SR 0704 ESR05022200000006820	1

VENDOR
 VS0000040361
 Advanced Analytical Systems, Inc.

Solicitation Number: CRFQ 0704 INS2200000004
Total Bid: 890240 **Response Date:** 2022-05-02 **Response Time:** 10:17:07
Comments:

FOR INFORMATION CONTACT THE BUYER
 Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Temporary information technology software developers	2080.0000	HOUR	104.000000	216320.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Database Administrator
Year 1

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Temporary information technology software developers	2080.0000	HOUR	106.000000	220480.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Database Administrator
Year 2

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Temporary information technology software developers	2080.0000	HOUR	108.000000	224640.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Database Administrator
Year 3

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Temporary information technology software developers	2080.0000	HOUR	110.000000	228800.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Commodity Line Comments:

Extended Description:

Database Administrator
Year 4



RFP Title: Technical Staffing Service- Data Base Administrator
Solicitation Number #: CRFQ 0704 INS2200000004

Response submitted to: Bid Clerk
Department Of Administration
Purchasing Division
2019 Washington ST E
Charleston WV 25305, US

Proposal Submitted by: Priyanka Arora, President
Advanced Analytical Systems, Inc.
25961 Suite A Hartwood Dr. Chantilly VA 20152
Phone: 703-348-2871 | Email: info@advancedanalyticalsystems.com
<http://www.advancedanalyticalsystems.com>

Proposal due Date & Time: 2022-05-04 by 13:30





Advanced Analytical Systems, Inc.

Transmittal Letter

Dated: **2022-05-04**

Kind Attn: **Joseph E Hager III**

Department of Administration

We, Advanced Analytical Systems, Inc., would like to thank you for the opportunity to respond to the **Solicitation Number #: CRFQ 0704 INS220000004 for Technical Staffing Service - Data Base Administrator** with the West Virginia Purchasing Division, 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 **Technical Staffing Service- Data Base Administrator** contract and based on our experience, we have prepared proposal, demonstrating our understanding of West Virginia Purchasing Division temporary staffing service requirement and providing best solution, resources and that too within competitive price.

We look forward to an opportunity to support the West Virginia Purchasing Division.

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

Transmittal Letter	2
Table of Contents	1
1. Executive Summary	1
2. About Advanced Analytical Systems, Inc.	3
2.1. About us	3
2.2. Services We Deliver.....	3
Approach.....	5
2.3. Experience & Expertise	7
Contract #1.....	7
Contract #2.....	8
Contract #3.....	9
2.4. Financial Capability	10
3. Proposed Resume	14
4. Pricing.....	22
5. Required Forms.....	26
Designated contact form	26
Addendum Acknowledgement Form	27
6. Proof of Insurance.....	28

1. Executive Summary

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 staffing 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 temporary staffing, 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 6+ 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.

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 Temporary Staffing 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.

Strategic Partner for IT Temporary Staffing

Partnering with AASI can save your company time and money, overcoming IT staffing challenges to meet your company's strategic objectives and respond to business needs. Our exceptional IT staffing team understands the challenges organizations face in scalability and recruiting technical talent and can apply their expertise to find the best staffing solution for you. is one of the most recognized and awarded staffing agencies with over four decades of experience placing technical, financial, creative, and administrative talent. Our IT staffing division specializes in placing top talent for technology positions across all fields of expertise.

Why Choose Advanced Analytical Systems, Inc. for Your Staffing requirements?

Our expert recruitment and screening processes ensure that we find the very best people with the skill sets and experience that make them the ideal fit for your specific needs. Our goal is to deliver quality professional services to our clients, while earning confidence through the proper assignment of people. We meet our goals with the following approach:

- **Time** – Our recruitment team partner with you throughout the recruitment process. We work with a well-established network of industry professionals. Therefore, by utilizing these resources, we can help streamline your staffing requirements.
- **Cultural Assessment** – Our Account Managers work directly with you, and your board, to understand the unique needs specific to your organization. We do this to determine the specific attributes needed to enhance your organization's value proposition.
- **Pulled Resources** – We work with an extensive professional network. Therefore, we can access industry connections to produce a highly customized search process.
- **Qualification** – We investigate all candidates thoroughly. All candidates are qualified using internal procedures. Furthermore, we utilize third-party reporting to gather additional background information. As a result, the organizations we work with can avoid the cost of a bad hire.
- **Video Interview** – We present candidates through a video platform. This process seeks to mitigate time constraints from an organizational perspective, as well as a candidate perspective.
- **Continued Service** – Upon placement, our Account Manager maintain contact with your organization to provide any needed support

2. About Advanced Analytical Systems, Inc.

2.1. About us

AASI is a US-based software development company specializing in providing businesses worldwide with custom technology solutions. As a mobile and web-based application development company with over 2,800 skilled software developers, Advanced Analytical combines technological expertise, specific domain experience, and a passion for excellence to deliver enterprise-grade solutions. We provide industry leading, highly skilled resources for all our engagements. We have specialists we bring to all our engagements, strategy, business analysis, and technology. When it comes to technology and implementations, we have specialists with the right skills to solve project-specific business and technology problems.

Flexible Database Consulting Engagements: No matter what your business needs are, AASI flexible consulting engagement offerings can be tailored to match your unique specifications. Let us bring value to your organization with our client focused delivery options including:

- **Project-Based:** You may not have the resources you need to complete database projects. Adding a DBA consultant, architect, or database developer from Advanced Analytical gives you the opportunity to acquire the specific talent you need and keep your databases up to speed.
- **Temporary Consulting:** AASI can offer fractional resources and flex your service level up and down as your needs evolve.
- **Long-Term Partnership:** Onboard Advanced Analytical and get the support of a highly experienced DBA for a specific database, infrastructure, application, or other IT end-to-end project.

Key Features of AASI

- **On-Site or Off-Site:** Whether you want to integrate a DBA into your environment, or get support without sacrificing space, Advanced Analytical can help.
- **Onshore or Offshore:** Advanced Analytical can provide onshore assistance, offshore assistance to provide 24/7/365 support, or a combination of the two.
- **SOW, Fixed Fee, or T&M:** Advanced Analytical offers pricing flexibility depending on the project and your preferred billing method.
- **Defined Projects:** Advanced Analytical can provide the right expertise to take a specified role in a defined project.
- **Skill Set Gap Support:** If you don't have a required skill set in-house, Advanced Analytical can provide the right DBA consultant to fill that gap.
- **PM Availability:** With both onshore and offshore DBAs, Advanced Analytical offers full 24-hour support.
- **Easy to Adjust:** Working with Advanced Analytical gives you the opportunity to quickly scale your staffing to meet changing needs.

Why AASI?

- Improved decision-making through more efficient data flow
- Increased competitive advantage due to the implementation of most current best practices
- Efficient risk management and reduced risks through guaranteed service levels, reduced incidents, predictive cost model, and minimized staff turnover impact.
- Flexible delivery and Pricing model. Scalable solutions that can support large data volumes in future and aids 'easy to market transition' requirement or Oracle DBA administration.
- Quick fault recovery, data protection and disaster planning.
- 24x7x365, industry leading support and End-to-end Database Administration services that can be customized to meet specific needs or compliance requirements.
- Improved response time, throughput, and instance efficiency.
- Enhanced performance of CPU, memory, and disk I/O resources.

2.2. Services We Deliver

AASI is the leader in delivering Oracle, SQL Server, Middleware, and PeopleSoft database and ERP solutions. The combination of our highly skilled consultants, our innovative solutions, and our comprehensive set of consulting and managed services makes us confident to achieve success on this solicitation. AASI has an unparalleled, demonstrated track record of 100% success with every single project, and we pride ourselves on finding innovative ways to meet our client's business requirements,

providing cost effective solutions, shortening timelines, reducing risks, and lowering the total cost of ownership by avoiding costly customizations. We ensure Metropolitan that partnering with AASI will enable them to achieve better results through the effective use of PeopleSoft, Oracle, SQL Server, and Middleware solutions. AASI will reduce the costs by providing Metropolitan with faster setup and deployment of their PeopleSoft, Oracle, SQL and Middleware resource need for their respective applications, using our refined methodologies.

Requested Services	Technical Competency and Qualification
Oracle Database Support	AASI' is an Oracle solution and consulting service provider with a highly skilled and experienced pool of Oracle consultants across the nation. We offer a range of cost-effective services to help convert your investment in an Oracle-based solution into viable returns. We have got access to resources that have rich experience in domain and functional knowledge. We have team of Technical Consultants with expertise in Extended Solutions: Application customization; Data Migration: From legacy to Oracle Applications, create and modify stored procedures, and Enterprise Application Integration
My SQL Database Support	AASI utilizes Oracle MySQL, the leading open-source database for small and mid-size businesses applications such as dynamic web sites, Online Transaction Processing (OLTP) and Online Analytical Processing (OLAP), or business intelligence (BI) solutions implementations and offers low cost of ownership as well as excellent performance and scalability. AASI software developers has excellent expertise and strong experience to build MySQL applications for Linux environments with PHP, Perl, and Java, Visual Studio, Microsoft C# or VBA. AASI also utilize Oracle MySQL Workbench to simplify database design, modelling, and administration.
Microsoft SQL Server Database Support	AASI' Microsoft-certified consultant have extensive backgrounds in designing, implementing, administering, and troubleshooting SQL Server environments. AASI qualified and experienced consultants relevant experience can be summarized as: Our consultant have experience to create or enhance applications that combine SQL Server with other Microsoft platforms such as SharePoint Server and Microsoft Dynamics., Our infrastructure experts provide support to plan and configure Microsoft's virtualization and clustering technologies to help maximize the performance, availability, security, and manageability of multiple SQL Server solutions. Our Microsoft SQL engineers assist to carry out smooth migrations from legacy database technology to the current versions of Microsoft SQL Server.
PeopleSoft Support	AASI is one of the leading PeopleSoft Service Providers nationwide. With strong PeopleSoft capabilities, we have enabled many organizations realize promised ROIs from PeopleSoft application investments. We provide diverse PeopleSoft services and manage complex PeopleSoft environments, while ensuring a high level of customer satisfaction with customers who can vouch for our ability to deliver. AASI has built its PeopleSoft Center of Excellence (CoE) lab which has been transforming many business entities with comprehensive service commitments. AASI has experience to provide complete end-to-end PeopleSoft Managed Services that give clients the capabilities and unmatched expertise of providing full PeopleSoft application support and maintenance. Our PeopleSoft Managed Services team is PeopleSoft certified and has an average of over 15 years of experience in supporting PeopleSoft HCM and Financials applications that will provide State with the appropriate level of support that needed, including PeopleSoft Managed Application Technical Support Services; PeopleSoft Managed Application Functional Support Services; PeopleSoft Managed Application Development Services; Full call-center and help desk services; PeopleSoft Knowledge Management Services; PeopleSoft Managed Application Monitoring Services; PeopleSoft Security Management Services etc.
Web/Middle Tier Administration Support	AASI also offers application middleware management services that address the middleware spectrum. We provide middleware support operations, integration and automation, middleware performance and capacity management. We also offer middleware security management and middleware consolidation and transformation services. Service Offerings

	<ul style="list-style-type: none"> • Support Operations: Middleware server monitoring and administration; Message queue administration; Message Broker administration; SOA service monitoring and administration; Big Data infrastructure architecture management • Integration and Automation: Middleware build operation; Middleware version migration; Middleware fix-pack deployment; Middleware vendor product migration support; Operations automation script; Big Data cluster setup and management; Big Data governance • Performance and Capacity Management: Middleware server performance monitoring and reporting; Middleware server capacity planning and reporting; Middleware server performance fine-tuning; Big Data infrastructure optimization • Security Management: Authentication and authorization management; Security certificate management; XML Server Gateway Administration; Big Data security architecture and implementation • Consolidation and Transformation: Infrastructure impact assessment; Creating and/or validating transformation roadmap; Refine and implement Middleware transformation; Big Data adoption strategy
<p>Oracle E-Business suite (EBS)</p>	<p>AASI has advanced specialization in Oracle E-Business Suite of applications, including R12 Supply Chain Management, Oracle E-Business Suite Financial Management & Human Capital Management and caters to this very specific requirement of customers. Our Oracle Practice offers an extensive range of services across Oracle E-Business Suite, which encompasses design, development, EBS implementation, EBS upgrades, migration, integration, global rollouts and support and maintenance.</p> <p>AASI brings capabilities and experiences in providing Federal, State and Commercial customers with the entire spectrum of Oracle EBS solutions and services, including R12 Supply Chain Management, Oracle E-Business Suite Financial Management & Human Capital Management and caters to this very specific requirement of customers. Our Oracle Practice offers an extensive range of services across Oracle E-Business Suite, which encompasses design, development, EBS implementation, EBS upgrades, migration, integration, global rollouts and support and maintenance. We employ the most appropriate business and technology solutions and processes by tailoring our methods to suit the customer environment and practices.</p>

Approach

AASI understand that West Virginia Purchasing Division on behalf of West Virginia Offices of the Insurance Commissioner (OIC) is seeking qualified vendor for database administrator staffing services. OIC Information Technologies Unit is seeking database administrator resource who can provide technical expertise to create and modify stored procedures, control data exchange with outside entities, and patch and maintain Oracle and Microsoft SQL databases currently used by the OIC. Advanced Analytical Systems, Inc. provides database administration & consulting in the following:

- **Database Development & Installations**—we'll help you plan and implement a SQL Server, MySQL, Oracle, DB2, or Sybase database installation, create and modify stored procedures, optimally configured for your organization's unique needs
- **Database Upgrades:** learn how our Process Advantage makes updating your SQL Server, MySQL, Oracle, DB2, or Sybase databases a safe and effective procedure
- **Oracle Upgrades:** learn how we can make your transition to Oracle latest version an efficient process with minimal disruption
- **Database Patching:** we utilize documented processes to ensure that all tasks are executed in an orderly and predictable manner
- **Data Analytics:** our data analytics services will help you leverage business intelligence for a smarter, more effective organization
- **Data Auditing:** we'll help you audit the actions of your database users to identify security and other critical issues
- **Performance Analysis:** our Performance Analysis process helps you evaluate health of your database, and control data exchange with outside entities

- **Database Optimization:** we'll use targeted recommendations to fix, enhance and improve performance of database

AASI has excellent track record for delivering information technology Oracle database and application administration service to multiple federal, state, and local agencies as requested in this RFP.

Supported Platforms



We provide the following services and benefits to clients, such as:

Database, Data, and System Administration

- Data Administration
- Database Administration
- System Administration

DBA Tasks

- Database Design
- Performance Monitoring and Tuning
- Ensuring Availability
- Database Security and Authorization
- Governance and Regulatory Compliance
- Backup and Recovery
- Ensuring Data Integrity

Our Database project plan initially emphasis on using our hybrid approach and PMBOK project management approach, after Post Business Requirement and project re-estimation, we have more realistic understanding of the asking order. Our project plan will include factors like modeling, designing, testing, personnel, deployment, and training. Our tentative initial projects plan will have following attributes:

- **Infrastructure plan:** knowledge gathering of software, hardware, data network, and other elements that will support the data warehouse. The infrastructure plan is based on the results of the gap analysis and on the project budget.
- **Personnel Plan:** Required skills, detailed responsibilities, and schedules for each team member. Basically, project manager, Domain experts, End users, database architect, data modeler and ETL developer.
- **Performance Management:** regular health checkup of database, monitoring, memory checkup, etc.
- **Plan & Execution:** Develop a comprehensive plan for the Database administration and development, plan of the MS SQL Server system, according to available skills and experience.
 - A detailed list of deliverables the customer will provide (such as organization charts, data, formats, and so on) at different stages or timeframes of the project
 - Our DBA will generate scripts to purge old transaction logs and install SQL Server patches
 - Help Department staff for security, and generation of new instances
 - We will provide complete database backup and recovery strategy plan for all databases.
 - DBA will perform database installations, upgrades, and migrations, status reports
 - We will execute performance measures, tuning etc.
 - A comprehensive schedule for project design, development, and testing activities
 - A detailed list of deliverables you will provide (including documentation, training material, and the solution itself) at different stages or timeframes of the project
 - A comprehensive list of project dependencies, assumptions, and risks, with backup plans.
- **Testing and Implementation plan**
 - The final deliverables of the project and their deployment schedules.
 - Plans for educating end users about the solution.
 - A Testing schedule.
- **User Training Plan**

- A list of end users assigned to the project and their project schedules.
- A list of major checkpoint project deliverables (including user documents) and schedules.
- A schedule of formal user education presentations.
- **Financial and technical risk assessment**
 - The project technical risks are reasonably low.
 - The project schedule is practical.
 - The project will be profitable.

Our Database lifecycle management (DLM) is a policy-based approach to managing databases and data assets. DLM is not a product but a comprehensive approach to managing the database schema, data, and metadata for a database application. A thoughtful and proactive approach to DLM enables an organization to manage data resources according to appropriate levels of performance, protection, availability, and cost. DLM begins with discussion of project design and intent, continues with database develop, test, build, deploy, maintain, monitor, and backup activities, and ends with data archive. Our approach for Database Implementation based on below activities:

Implementation Approach	Activities
Strategic planning	<ul style="list-style-type: none"> ● Defining scope of database system, its users and applications
Database Design	<ul style="list-style-type: none"> ● Logical and physical design of the database system on the chosen DBMS
Database implementation	<ul style="list-style-type: none"> ● Specifying conceptual, external, and internal database definitions ● Creating empty database files ● Implementing software applications
Loading or data conversion	<ul style="list-style-type: none"> ● Populating the database
Application conversion	<ul style="list-style-type: none"> ● Converting applications to the new system
Testing and validation	<ul style="list-style-type: none"> ● Database Testing
Operation	<ul style="list-style-type: none"> ● Running the new system
Monitoring and maintenance	<ul style="list-style-type: none"> ● System maintenance ● Performance monitoring

2.3. Experience & Expertise

Contract #1

Name of Organization	DHA, Inc.
Point of contact name, title, e-mail and telephone number	Contact Name: Sonia Khaira Title: Business Development Manager Email: sk.soniakhaira@gmail.com Telephone: 412-952-6632
Services provided	Contract Description: Advanced Analytical Systems, Inc. (AASI) was contracted to provide Database Administration and Development Services. Following tasks were accomplished by our staff: <ul style="list-style-type: none"> ● Conducted a detailed analysis of client's database environments and provided key insights, short- and long-term database recommendations, optimization opportunities and information on alternative approaches to their database environment(s) ● Troubleshoot and developed root-cause analysis and documentation for recurring database issues, provide backup, recovery, and storage assessments, and performance tuning of production databases ● Developed and coordinated the creation of information databases to promote the sharing of information with users inside as well as outside customers ● Monitored data quality and assist programs with code and stored procedures ● Planned, designed, scheduled, written and debugged database stored procedures and complex queries to extract, calculate and manipulate information

Title: Technical Staffing Service- Data Base Administrator Solicitation No.: CRFQ 0704 INS220000004	Proposal Advanced Analytical Systems, Inc.
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	<ul style="list-style-type: none"> • Designed schemas, created tables and views, and building and modified stored procedures, functions, triggers, and constraints • Helped in Database Server configuration on utilization of CPU, memory, and disks • Helped in Database parameter settings • Performed Oracle Grid Control installation, configuration (Monitoring and Provisioning), patching and maintenance • Helped in Database backup settings • Helped in maintaining Internal database statistics and database resource utilization • Maintained Database and Server logs for sporadic or recurring errors • Identified the performance bottle necks, root cause and remediation steps • Performed Database Analyses services: <ul style="list-style-type: none"> ○ Compiled, analyzed, and updated data from different sources, such as labor and daily report ○ Compiled data sheets and reports
Start and end dates	Dec 2020 – Nov 2021

Contract #2

Name of Organization	WeThinkIT, LLC
Point of contact name, title, e-mail and telephone number	Contact Name: Sameer Kumar Title: Program Manager Email: sam@We-ThinkIT.com Telephone:
Services provided	Contract Description: Advanced Analytical Systems, Inc. (AASI) was contracted to provide Database Analysis and Database administration services. Our staff performed following relevant services: <ul style="list-style-type: none"> • Reviewed all system and database logs, statistics, configuration parameters, and business processes to make observations or recommendations, according to the criteria defined in the objectives of client. • Provided database management recommendations, including potential benefits and risks • Staff adhered to database configuration best practices • Created and modified stored procedures, functions, triggers, T-SQL code to satisfy application and customer requirements • Written and maintains stored procedures, functions, or queries meant to assist the organization in accessing and analyzing business data • Helped in controlling data exchange • Provided recommendations for database remediation • Provided helped server-specific database configurations • Provided analysis of current and future system updates • Performed all aspects of database administration including installs, builds, upgrades, object sizing, object creation, users, backup/recovery, patches, monitoring, export/imports, and SQL loader • Conducted a detailed database health check of client SQL Server, Oracle, Oracle E-Business Suite, MySQL, DB2, MongoDB or PostgreSQL environment • Provided recommendations for improvements and efficiencies for the current database environment, both physical and virtual • Provided day-to-day support or ad-hoc assignments such as assessments and upgrades • Provided supplemental or full-time database support and expertise designed to eliminate the single point of failure in many database environments.

Title: Technical Staffing Service- Data Base Administrator Solicitation No.: CRFQ 0704 INS220000004	Proposal Advanced Analytical Systems, Inc.
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Start and end dates	Jan 2019 – Dec 2019
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Contract #3

Name of Organization	Bullz Eye Group
Point of contact name, title, e-mail and telephone number	Contact Name: Rachard Armstrong Title: Project Manager Email: managerIT@bullzeyegroup.com
Services provided	<p>Contract Description: Advanced Analytical Systems, Inc. (AASI) was contracted to provide Database development, administration, and consulting Services. Our staff performed following relevant services:</p> <ul style="list-style-type: none"> • Provided a customized full-scale audit on SQL Server and Oracle databases instances. Our comprehensive report gives a detailed analysis of health and performance of clients' server to establish a baseline for addressing potential performance issues • Provided an evaluation of current operating systems, and helped in upgrading and migration of database systems • Performed database refreshes using Export/Import, upgrades and applies patches • Reviewed new or existing applications including table/index structure, normalization/de-normalization, referential integrity, database feature use and security and access and integration issues. • Helped in design and implementation of tables, query optimization, triggers, views, and stored procedures • Produced a written report with actionable recommendations for database optimization, insights based on vendor specifications and industry best practices • Confirmed project requirements by studying user requirements, conferring with others on project team. • Maintained data dictionary by revising and entering definitions. • Maintained client confidence and protects operations by keeping information confidential. • Maintained technical knowledge by attending educational workshops; reviewing publications; establishing personal networks; participating in technical societies. • Ensured operation of equipment by completing preventive maintenance requirements; following manufacturer's instructions; troubleshooting malfunctions; calling for repairs; evaluating new equipment and techniques. • Contributed to team effort by accomplishing related results as needed. • Determined changes in physical database by studying project requirements, identifying database characteristics, such as location, amount of space, and access method. • Changed database system by coding database descriptions. • Protected database by developing access system; specifying user level of access. • Maintained user reference by writing and rewriting database descriptions.
Start and end dates	Sep 2019 – Aug 2020

2.4. Financial Capability

Financial Statement 2020

Advanced Analytical Systems, Inc
 STATEMENT OF REVENUES, EXPENSES AND RETAINED EARNINGS-INCOME
 TAX BASIS
 FOR THE PERIOD ENDED Dec 31st, 2020

REVENUE

Revenue		\$ 260,851.25	
	Total Revenue		\$ 260,851.25
Less:			
	Sub- Contractors	219,592.00	
	Direct Travel & Costs	<u>\$ -</u>	
	Total Direct Cost		\$ 219,592.00
	Gross Profit		\$ 41,259.25

OPERATING EXPENSES

Accounting		\$ 2,500.00	
Automobile Expenses		\$ 1,610.00	
Advertising		\$ 2,400.00	
Bank Charges		\$ 703.00	
Conferences & Seminars		\$ 1,500.00	
Employee Background Verification		\$ 125.00	
Insurance		\$ 3,697.00	
Internet		\$ 720.00	
Dues and Subscriptions		\$ 499.00	
Meals		\$ 1,556.00	
Misc.General expense		\$ 3.50	
Office expense		\$ 1,080.00	
Postage Shipping		\$ 16.00	
Repair and Maintenance		\$ 1,800.00	
Supplies		\$ 1,666.00	
Telephone		\$ 600.00	
Taxes and Licenses		\$ 3,554.00	
Utilities		\$ 461.00	
Travel		\$ 1,490.00	
	Total Operating Expenses		\$ 25,980.50

OTHER INCOME/(EXPENSES)

Other Income		\$ 51.00	
Interest Income		\$ 3,571.00	

NET INCOME/LOSS

		3,622.00	
		<u>\$ 18,849.75</u>	
RETAINED EARNINGS AS OF 12/31/2019		\$ 27,997.00	
LESS: SHAREHOLDER DISTRIBUTIONS		\$ -	
RETAINED EARNINGS AS OF 12/31/2020		<u>\$ 47,007.00</u>	

Advanced Analytical Systems, Inc
 STATEMENT OF ASSETS, LIABILITIES AND EQUITIES-INCOME TAX BASIS
 AS OF Dec 31, 2020

ASSETS		
CURRENT ASSETS		
Cash & Cash Equivalent	775,157.00	
Securities	\$ -	
Total Current Assets	<u> </u>	\$ 775,157.00
 FIXED ASSETS		
Furniture and Equipments	\$ -	
Less:Accumulated Depreciation	\$ -	
Total Fixed Assets	<u> </u>	\$ -
Total Assets	<u> </u>	<u><u>\$ 775,157.00</u></u>
 LIABILITIES & STOCKHOLDER'S EQUITY		
CURRENT LIABILITIES		
Payroll Taxes Payable	\$ -	
Accounts Payable		
Credit Cards Payable	\$ 58.00	
Total Current Liabilities	<u> </u>	\$ 58.00
LONG TERM LIABILITY		
SBA Disaster Loan	\$ 139,500.00	
Total Long Term Liabilities	<u> </u>	\$ 139,500.00
Total Liabilities		<u><u>\$ 139,558.00</u></u>
STOCKHOLDERS EQUITY		
Capital Stock	\$ -	
Stockholder Loan	\$ 588,592.00	
Retained earnings	\$ 47,007.00	
Total Stockholders Equity		<u><u>\$ 635,599.00</u></u>
Total Liabilities & Stockholder's Equity		<u><u>\$ 775,157.00</u></u>

Financial Statement 2019

KRISHNA TECH INC.
 STATEMENT OF REVENUES, EXPENSES AND RETAINED EARNINGS-INCOME
 TAX BASIS
 FOR THE PERIOD ENDED Dec 31st, 2019

REVENUE			
Revenue		279,100.00	
	Total Revenue		\$ 279,100.00
Less:			
	Sub- Contractors	264,200.00	
	Direct Travel & Costs	\$ -	
	Total Direct Cost	<u>264,200.00</u>	\$ 264,200.00
	Gross Profit		\$ 14,900.00
 OPERATING EXPENSES			
Accounting	\$	2,000.00	
Automobile Expenses	\$	1,715.00	
Bank Charges	\$	1,080.00	
Insurance	\$	3,648.00	
Internet	\$	500.00	
Dues and Subscriptions	\$	99.00	
Meals	\$	100.00	
Office expense	\$	545.00	
Postage Shipping	\$	26.00	
Supplies	\$	184.00	
Taxes and Licenses	\$	2,487.00	
Utilities	\$	943.00	
Travel	\$	200.00	
	Total Operating Expenses		\$ 13,527.00
 OTHER INCOME/(EXPENSES)			
	Other Income		<u>3,421.00</u>
 NET INCOME/LOSS			
			<u>\$ 4,794.00</u>
	RETAINED EARNINGS AS OF 12/31/2018		<u>\$ 23,203.00</u>
	LESS: SHAREHOLDER DISTRIBUTIONS		<u>\$ -</u>
	RETAINED EARNINGS AS OF 12/31/2019		<u>\$ 28,108.00</u>

KRISHNA TECH INC.
 STATEMENT OF ASSETS, LIABILITIES AND EQUITIES-INCOME TAX BASIS
 AS OF Dec 31, 2019

ASSETS		
CURRENT ASSETS		
Cash & Cash Equivalent	150,574.00	
Securities	\$ -	
Total Current Assets		\$ 150,574.00
 FIXED ASSETS		
Furniture and Equipments	\$ -	
Less:Accumulated Depreciation	\$ -	
Total Fixed Assets		\$ -
	Total Assets	\$ 150,574.00
 LIABILITIES & STOCKHOLDER'S EQUITY		
CURRENT LIABILITIES		
Payroll Taxes Payable	\$ -	
Accounts Payable		
Credit Cards Payable		
Total Current Liabilities		\$ -
 STOCKHOLDERS EQUITY		
Capital Stock	\$ -	
Stockholder Loan	\$ 122,466.00	
Retained earnings	\$ 28,108.00	
Total Stockholders Equity		\$ 150,574.00
Total Liabilities & Stockholder's Equity		\$ 150,574.00

3. Proposed Resume

Aruna Kumar Raju Kosuri - Data Base Administrator

Professional Summary

- 12+ years of experience as an Oracle Database Administrator, providing 24/7 support of development and production 19c/12c/11g/10g/9i/8i on Various Platforms.
- Expertise in Linux OS, HP-UX, SUN SOLARIS, AIX, and Windows environments.
- Experienced in cross platform migrations from Windows to Linux, Solaris to Linux. Proficient in administration activities like Installation, Configuration, Upgrades, Patches, TAR support, Cloning, Backup and Recovery, Performance Tuning, Capacity Planning, script development & documentation.
- Fulfilled DBA daily activities including user management (creating users, synonyms, privileges, roles, quotas, table, index, sequence etc.), space management (table space, rollback segment), monitoring (alert log, memory, disk I/O, CPU, database network connectivity).
- Experienced in migrating across every platform and have worked on RAC nodes up to 24 node clusters -- Installed 12c Enterprise Manager, 12c Database, and migrated to 12c RAC Cloud. Virtualization Expert -- VMWARE, Oracle VM.
- Experience in configuring Oracle Multitenant Container Databases (CDB) and Pluggable Databases (PDB) in Oracle 19c/12c RAC.
- Setup Nodes, Work on foundations, data models, etc. Expertise in technical knowhow to meet the temporary contracted staffing needs of the Information Technologies Unit.
- Experience in creating and modifying stored procedures, control data exchange with outside entities
- Worked on Linux Cluster and supported Network team in installation. Expertise in installing MS SQL Server associated database tools, updating with latest service packs, hot fixes, and security patches.
- Experience in Oracle 19c GDS (Global Data Services) Catalog creation, GDS GSM (Global Service Manager) Server installation, registration of Oracle GSM Server with the GDS Catalog, Oracle GDS pools creation, registration of databases in GDS pools, and Oracle GDS services creation
- Experienced in maintaining Oracle replication between source and target Oracle databases.
- Laid hands-on new tools and experienced features like Data Replay, LogMiner and Flashback data Archive, Schema Management, Data guard and RMAN in Oracle 12c.
- Experienced with WebLogic Installation and Administration, Middleware installation and support like OBIEE, SOA, and OTM. Experience of Database monitoring using OEM 12C/OEM 13C.
- Manage large complex Oracle RAC clusters with applications.
- Oracle Database software and tools on multiple platforms including Windows and Linux
- Automated RMAN Backups, Data pump, cloning, space management, database security, cloning, migration, AWS DMS, AWS KMS, AWS IAM, AWS ADG, AWS RAC, AWS RDS, AWS EC2 and documentation. Proficient in supporting databases running on AIX, O.E.L, R.H.E.L, Sun-Solaris, and windows platforms. Worked on AWS DMS for Migrating Oracle databases.
- Supported, administered, and maintained production and non-production database environments primarily running on the AIX platform.
- Implementation of Appworx with Oracle Application, Siebel Application, Clarify Application.
- Implementation of Siebel /Clarify/Appworx Application high availability with SharePlex.
- Experience with Oracle 11g/12c Database Administration and Management on AIX platforms. Proficient with UNIX commands and shell scripting. Experience in installing and configuring Oracle on various operating systems including Oracle Linux and AIX.
- Good understanding of the Linux/UNIX environments. Preferably Red hat Linux and IBM/AIX.
- First hands-on experiences in software and firmware maintenance of both the Database and Storage servers in the Exadata database machine including upgrades and patching. Provided and implemented performance tuning recommendations of all components in Exadata database machine.
- Advised, provided guidance, and develop Disaster Recovery strategies for the Exadata Database machine. Solid skills to configure Exadata to meet company internal security requirement
- Provided support for identifying and troubleshooting performance issues for SAP applications on Oracle 11g. Experienced in setting up/Installation and configuration of release 11g R2 RAC with ASM and Raw Devices and 11g CRS. Experienced in configuring & Managing the ASM.
- Planned and implemented DR & high availability solutions using Oracle 11g Standby Database using Oracle Data Guard, 11g and 10g RAC. Experienced in dealing with ASM environment such as Installation, taking backup, migration from NON-ASM to ASM environment.

Title: Technical Staffing Service- Data Base Administrator Solicitation No.: CRFQ 0704 INS2200000004	Proposal Advanced Analytical Systems, Inc.
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- Performed backups and tested crash recoveries using Cold, Hot backups and RMAN and tested various recovery procedures. Installing, configuring, upgrading, maintaining, monitoring and tuning DB2 databases, providing 24x7 production support services
- Testing database failover with virtual networks. Experienced in using Toad Data Modeler and Erwin.
- Worked extensively on Erwin and ER Studio in several projects in both OLAP and OLTP applications
- Experienced in normalizing tables for reducing redundancy.
- Experienced in Physical and Logical database Design. Worked on Oracle Golden Gate to implement Change Data Capture (CDC) and replication between the primary and secondary databases.
- Experience in using Golden Gate to support data replication in the Oracle database environment.
- Delivering Oracle Database performance-tuning services for customers with EXPLAIN PLAN, TKPROF, STATSPACK, SQLTRACE, ORADEBUG, 10g OEM Grid Monitoring custom scripts troubleshooting oracle databases using SQLTRACE utilities.
- Experience in installing and configuring Golden Gate 9.5. Experience in using Golden Gate in moving large volumes of transactional data, with minimal impact to online systems. Experience in OLTP/DSS database systems, implementing and managing large Oracle databases (VLDB).
- Experienced in using 10g features Data Pump, Flash-Back Recovery, AWR, ASM, ADDM, Grid Monitoring, and Recycle Bin. Experience in basic and advanced replication using Oracle Streams and experience in using OEM, TOAD, Data Migrations & benchmarking using load-testing tools.
- Knowledge on Oracle Support processes for technical requests through Metalink and other Support Procedures. Scheduling of jobs using Crontab.
- Experience in Database Security and Auditing. Expertise in RMAN for recovery and cloning.
- Extensive performance tuning experience, specializing in Operating System Tuning, SQL Tuning, Database/ Instance Tuning. Experience in shell scripting for various CRON jobs to be run.
- Experience in Migration of Database from 9i to 10g, 10g to 11g, 11g to 12c, 11g to 19c and 12c to 19c.
- Performing Database Cloning in Oracle 9i, 10g, 11g & 12c using RMAN.
- Experience in MS SQL Server upgrades from 7.0 to MS SQL Server 2000 to MS SQL Server 2005.
- Worked in OLTP & OLAP environment that includes production (24/7), QA and development database in SQL Server. Good Experience with SQL Server 2005 online Indexing and Recoveries features.
- Experience in Installation, Configuration, Maintenance and Administration of SQL Server 2005/2000.
- Experience in upgrading SQL Server from 2000 to 2005.
- Having Knowledge on administration of EMC Symmetrix and Clariion Hardware.
- Having Knowledge on SRDF. Knowledge in Zoning, mapping, and masking.
- Experience in Storage provisioning. On call 24x7 Production Support.

Education:

- Bachelor's in information technology, Jawaharlal Nehru Technological University, India.
- Master's in computer science, University of Illinois Springfield.

Technical Skills:

Hardware	Pentium, PC AT-486, IBM, Dell, and Apple Mac.
Operating System	MS-DOS, MS Windows 95/98/2000/2003/ME/NT/XP/Vista, HP-UX 10.x, 11.x, Sun Solaris 2.5, 2.6, 8, 9, 10, AIX 5.1, 5.2, 7.2, Red Hat Linux RHEL 2.1, 3.x, 4.x, 5.x
Programming Languages	C/C++, Java (J2EE), SQL, PL/SQL, Delphi, PowerShell, Python, Ansible, Unix Shell Scripting
RDBMS	Oracle 8i/9i/10g/11g/12c/19c MySQL, DB2, PostgreSQL from 8.4.x to 9.5.x
Tools	Oracle Grid, OVM, VMWARE, RMAN, OEM 11G/12/13C, Golden Gate SQL*Loader, SQL Server, OBIEE Administration, AWS, EXP, IMP, Datapump, TOAD, Perl Scripting VBScript
Web Related and Other Tools	Dreamweaver MX, MS FrontPage, Flash, Flex Builder, Adobe Photoshop CS3.
Tuning Tools	TKPROF, EXPLAIN PLAN, STATSPACK
Data Modeling Tools	Erwin 4.0, r7.1/7.2, ER Studio V8.0.1 and Oracle Designer, Sybase Power Developer

Employment History:

Delta Airlines, Minneapolis

Sr. Oracle DBA

Jun 2019 - Present

- Handling day-to-day DBA activities using Oracle utilities and tools, monitoring space and memory requirements and Memory tuning. Checking Alert Logs, Archive Logs, Trace files and to work proactively on alerts.
- Participating in analysis and designing of Oracle Exadata Server for infrastructure and related projects.
- Planning and coordinating the administration of PostgreSQL databases to ensure accurate, appropriate, and effective use of data, including database definition, structure, documentation, long - range requirements, and operational guidelines.
- Upgrading databases to 19C 12c Grid Infrastructure from 12C.
- Responsible for Upgrading databases from 11g to 19c.
- Setting up/Installation and configuration of 12c/19c ASM GI (Grid Infrastructure), Oracle Binaries 12c/19c, and 12c/19c RAC databases and Non-RAC CDBs/PDBs on EXADATA machines.
- Performing Oracle Golden Gate upgradations, and cross-platform/heterogeneous environment (Operating Systems & Databases) migrations using Oracle Golden Gate 12c/19c.
- Experience in Oracle 19c GDS (Global Data Services) Catalog creation, GDS GSM (Global Service Manager) server installation, and registration of Oracle GSM Server with the GDS Catalog.
- Experience in Oracle 19c GDS pools creation, registration of databases in GDS pools, and Oracle GDS services creation to connect application users. Installing and configuring OEM 13c Cloud Control Center, configured Agents, setup metrics and thresholds for Oracle Databases and hosts/targets.
- Setup Nodes, Work on foundations, data models, etc. Installing, configuring, testing, monitoring, upgrading, and tuning new and existing PostgreSQL databases
- Developing SQL reports that meet client expectations for the application (used by custom application).
- Installing and configuring nagios check postgresql.pl plugins for Monitoring PostgreSQL instances effectively. Proactive in updating the latest security patches to database, which are provided by PostgreSQL open-source community.
- Responsible for configuring, integrating, and maintaining all Development, QA, Staging and Production PostgreSQL databases within the organization.
- Responsible for all backup, recovery, and upgrading of all the PostgreSQL databases
- Installing and monitoring PostgreSQL database using the standard monitoring tools like Nagios etc.
- Conducting analysis and feasibility studies for development of Oracle Exadata solutions.
- Organizing Oracle Database operations, installation, creation, configuration, laying out database tables and database schema design, startup, and shutdown of Databases.
- Implemented and configured many Physical Standby Databases and Logical standby databases using Data Guard. Installing and configuring Golden gate on 11g database for the replication.
- Setting init.ora parameters, maintaining Data Files, Control Files, and Redo Log Files, managing Table spaces, segments, extents, indexes and managing Undo Data.
- Carrying out EXPORT, IMPORT and DATAPUMP refreshes on Oracle Database, and monitoring the performance of the database using of OEM (Oracle Enterprise Manager).
- Working on database migrations from Solaris to Linux using Datapump. Upgrading over 50 production and UAT databases from Oracle 10g to Oracle 11gR2 on Linux and Solaris10.
- Configuring and managing RAC environment for high availability using ASM.
- Using Appworx to schedule the interface jobs between Siebel and Oracle Apps.
- Working on AWS Database Migration Services for migrating data from Oracle to RDS. Worked on Configuring and installation of Data Guard Broker on AWS Servers
- Working on AWS Oracle databases for App migration into private cloud. Working on migrating Oracle databases to AWS RDS using utility AWS Database Migration Service (DMS). Working on multiple databases available in AWS RDS such as Aurora, Oracle, MSSQL, MySQL and PostgreSQL.
- Managing Tablespace, Users, and privileges for Container Databases (CDB), and pluggable databases (PDB) in Oracle 12c/19c RAC. Working on converting schema from one DB engine to AWS RDS using AWS Schema Conversion Tool (SCT).
- Hands on experience in encrypting data using AWS Key Management Service (KMS).
- Working on integrating KMS to AWS CloudTrail to monitor logs used by keys for compliance Databases.
- Deploying Oracle RAC on AWS EC2 by using API calls and commands using AWS CLI.
- Installed and Administered 11g ASM & 10g RAC software with ASM & OCFS2 File systems
- Setup of High Availability of the database using RAC, and Data guard.

- Experience in using Golden Gate to support data replication in the Oracle database environment.
- Working on replicating tables between MySQL and Oracle 11g using Golden gate, where Golden gate reads data from transaction logs.
- Automating the daily routine activities backups using the DBMS_JOBS, DBMS_SCHEDULER.
- Creating Linux bash scripts to automate purging of the trace logs, audit logs and generate backup history reports.
- Monitoring of the queries with high response time and high disk reads per execution (Top SQL) and tuning the same using TKPROF, Explain plan, and Auto trace. Performing RMAN backup and developed backup strategies using Incremental and Cumulative backup methods.
- Developing a Conceptual model using Erwin based on requirements analysis
- Developing normalized Logical and Physical database models to design OLTP system for applications.
- Creating dimensional model for the reporting system by identifying required dimensions and facts using Erwin r7.1. Using forward engineering to create a Physical Data Model with DDL that best suits the requirements from the Logical Data Model
- Using Erwin for reverse engineering to connect to existing database and ODS to create graphical representation in the form of Entity Relationships and elicit more information
- Using Model Mart of Erwin for effective model management of sharing, dividing, and reusing model information and design for productivity improvement.
- Expert level knowledge and experience in recovering databases using RMAN and Datapump.
- Using Automatic Workload Repository (AWR) for analyzing the database performance.
- Communicating with Oracle support via the Metalink to troubleshoot important issues.
- Implementing Bi-Directional replication in golden gate from target to source and source to target.
- Configuring parameters for DDL support in golden gate replication.
- Working as on-call support resource to support database related activities.

DirectTV, Los Angeles, CA

Sr. Oracle DBA

Nov 2015 – May 2019

- Upgraded oracle databases from 11g to 12c and implementing 12c databases for QA/test/dev environments and applying one off patch and patch set updates as per Oracle upgrade matrix.
- Developed active standby and snapshot standby databases for 12c test database environments through the application of Data guard broker.
- Installation of Golden Gate on 11g databases including implementation of OEM 11g Repository database, OEM 12c Agent and configuring Golden Gate plug-ins and upgraded Golden Gate in Oracle database for real-time data integration.
- Modified PostgreSQL database functions for better performance and structure.
- Clone PostgreSQL instance using pgdump and snapshots.
- Created and maintained shell scripts to backup and restore Oracle and PostgreSQL databases.
- Generated PostgreSQL DDL from Oracle DDL using ora2pg and AWS tool.
- Fix compilation problems in generated PostgreSQL source code.
- Redesigned Oracle application architecture to prepare for migration to PostgreSQL environment.
- Performed Golden Gate replication monitoring, tuning, and capacity planning through managing the trail files, pump process and supplemental logging.
- Participated in the wider infrastructure DBA ecosystem of Microsoft SQL, Cloudera Hadoop, and associated tools. MySQL Enterprise Monitor agent 3.0.24 installation on RHEL Servers.
- Installation of necessary components and configured MySQL database 5.6.
- Configured Master-Slave in MySQL and Enabled Replication between Master and Slave database.
- Performed database migration from db2 to Oracle database.
- Experience in patching DB2 databases in AIX/Linux. Administered and maintained multi-terabyte Oracle 10G/11G/12C RAC production databases in an AIX/UNIX environment.
- Performed migration of database using replication of Oracle database 11.2.0.4 (OLTP) to AWS RDS SQL server with Golden Gate created trail files that has changed database from source database and then pushed these files to target database.
- DBA responsible for the design, creation, and maintenance of all db2 Objects and database
- Performed migration of database using replication of Oracle database 11.2.0.4 (OLTP) to AWS RDS SQL server with Golden Gate created trail files that has changed database from source database and then pushed these files to target database.

- Installation and configuration of Oracle databases (single instance) and installation and configuration of RAC instances in oracle 10g and 11g and converting single instance databases to RAC databases.
- Installation and configured Goldengate v.11.2.1.0.1 on 4 node RAC Enterprise DB clusters and administering RAC one node databases on 4 node Development RAC running 11.2.0.3.
- Dealing with Proactive and Reactive Tuning techniques including SQL load balancing and assistance using Query Optimizers and Tuning Advisor.
- Utilized RMAN recover table functionality and creating proof of concepts for the pre-prod environment and active database cloning through RMAN. Interacted with Functional Consultant to tune the SQL queries in Custom Applications to improve the performance.
- Deployed shell scripts using K-shell and scheduled CRON jobs for database regular tasks and opening, serving, and managing tickets with Oracle Support Center (Metalink).
- Experience in Real Application Clusters (RAC) setup, configuration, and cluster interconnection with Automatic Storage Management (ASM), configured user log on load balancing and failover on RAC database for high availability.
- Worked at conceptual/logical/physical data model level using Erwin according to requirements.
- Used Reverse Engineering approach to redefine entities, relationships, and attributes in the data model as per new specifications in Erwin after analyzing the database systems currently in use.
- Deploying and configuring 3 node RAC instances in 11g and refreshes from Non-RAC to RAC environments including Faster Application Notification (FAN) and Load Balancing Advisory.
- Providing 24x7 Support of Critical Databases and enhancing the Database Monitoring process and troubleshooting issues during upgrade, applying patches to fix issues.

Wells Fargo, St Louis, MO

Senior Oracle DBA

Feb 2015 – Oct 2015

- Installed and Configured Oracle 11.2.0.4 databases on Linux and migrated Oracle databases from Solaris to Linux. Worked with Infrastructure and Operation Database Engineering Team.
- Configured and maintained Oracle Data Guard for Disaster Recovery environment using DG Broker for RAC one Node Databases. Configured and installed RAC 4 Node Production Databases with Automatic Storage Management (ASM). Installation of Oracle 12c on Red Hat Linux, Solaris, and HP-UX.
- Provided 24/7 on-call support for OLTP production databases to ensure support for critical issues.
- Installed Oracle Goldengate for database replication.
- Upgraded and migrated the database to different version depending on Business requirements.
- Configured RAC 11gR2 Data Guard Standby Databases using Data Guard Broker.
- Configured OEM 12c cloud control for monitoring on different servers using OEM agent deployment.
- Linux and Solaris OVM configuration and integration with 12c grid control. Performed RMAN backup and developed backup strategies using incremental and cumulative backup methods.
- Installed and Configured database alerts in 12c OEM. Installed and configured Oracle Virtual Machine (OVM). Configured OVM manager for monitoring the OVM. Responsible for installation of OVM and VMWare, RHEL 5.6 x64, Oracle 11.2.0.1 and 11.2.0.3 on Virtualized RHEL 5.6.
- Daily DBA activities like Tuning of SQL/PLSQL, Performance Tuning, Database auditing and managing user groups, Database security, OS space monitoring etc.
- Used oracle configuration assistants like DBCA (Database Configuration Assistant) for Creating databases, DBUA (Database Upgrade Assistant) for Upgrading databases and NETCA (Network Configuration Assistant) for creating a Client-Server environment using Listener, TNS names and experienced in silent installations & configurations.
- Configured and Implemented Oracle 11g Database Two node Real Application Cluster (RAC) using Automatic Storage Management (ASM) and responsible for High Availability.
- Implemented Golden Gate for Standby Configuration and developed procedures for Replication.
- Performed data replication, transformation and delivery of database transactions using Golden Gate replication tool. Supported many Development Databases.
- Developed custom utilities to automate manually intensive tasks including mass schema changes, de-partitioning tables and rewinding/restarting Golden Gate to recover from trail file corruption.
- Extensively used AWR, ADDM for database performance statistics.
- Extensively worked on 12C Oracle Enterprise Manager (OEM) grid control for monitoring needs.
- Utilized Oracle Streams to capture, propagate, and apply the transfer of data, transactions, and events within managed databases. Implemented streams and Logical standby replication

- Managed Oracle Grid control 11.1.0.1 and configured Data Guard for OMR in Linux environment.
- Involved in doing Data Modeling and designing data warehousing boundaries and parameters, Data Transformation.
- Performance monitoring and Database/Instance/RAC tuning using Dictionary views, AWR, Stats pack, ADDM, ASH reports, OEM Grid Control, Fine tuning of SGA/PGA parameters, initialization parameters and reorganized physical objects (tables & indexes) and table spaces at performance standpoint.
- Performance tuning – Tune SQL statements, I/O, Memory, latches etc. Worked extensively on SQL Profiler, Explain Plan and Stats Pack for tuning top wait events, high-cost SQL's.
- Database structure changes, table/index sizing, SGA sizing, SQL, I/O and Application tuning, transaction monitoring, detecting lock contentions, tuning sort operations. Performed system enhancements, including SGA, memory tuning and SQL Tuning, hardware, and software modifications.
- Performed various RMAN strategies like RMAN Backup, RMAN Restore and RMAN Recovery etc.
- Configured and Performed Hot and Cold Backups for Non-prod databases and Cloning of Databases using RMAN methodologies for setting up UAT and DEV environments.
- Excellent experience of database Backups and Recovery strategies using RMAN, Export Import Utility (Classical & Data Pump) and Transportable table spaces.

EMC, Boston, MA

Oracle DBA

Jul 2012 – Feb 2015

- Installation and Creation of Oracle 10g, 11g and 12c RAC databases for Testing, Development and Production. Managed an Oracle 12c RAC system.
- Responsible for Oracle DBA and Applications DBA tasks involved in Oracle 11g implementation on RedHat Linux and Oracle Solaris 10.
- Installed and Configured Oracle 11g/12c, RedHat Enterprise Linux on Oracle Virtual Machine (OVM).
- configuration and deployment of VMware products such as VMware Workstation, VMware converter, VMware View, VCB and more in virtual environment
- Involved in Capacity Planning and Optimal setting of Storage Parameters.
- Involved in the process of tuning and refining various queries of various applications.
- Installation, Configuration and Administration of Oracle 10g RAC.
- Converted a single instance database to Oracle RAC 10g.
- Configured the Public Network/Private Interconnect for Oracle 10g RAC.
- Performed Database administration activities like user and roles administration, schema management and checking alert log of all the databases. Involved in RAC administration including 10g database cloning, tuning, patching, and monitoring concurrent management processing etc.
- Involved in 24x7 on-call support for 800GB 2 Node Production RAC database.
- Refresh/Cloning of application from production environment to test environment and application of patches. Setup RMAN catalog for all the Oracle databases.
- Performed Backup/Recovery of Oracle databases using RMAN.
- Developed and Implementing Disaster Recovery (DR) plan.
- Experience in monitoring and tuning system resources associated with the database performance, hit ratios, I/O, lock, and latch contention. Created table spaces, tables, and indexes, sizing the system table space, allocating default table space for users.
- Created and dropped of users, granting, and revoking permissions to users/roles as and when required.
- Restoration and Recovery from backup. Monitored CPU usage, I/O contention, memory paging and identify the resource and performance bottleneck.
- Write various SQL scripts to monitor table space and extent growth.
- Knowledge in writing Shell Scripts for automating backups and restoration.
- Partitioned large tables to increase performance. Performance tuning for optimized results using tools like EXPLAIN PLAN, SQL*Trace, TKPROF, STATSPACK, AWR and ADDM reports.
- Analyzed SQL statements, reorganize database objects and design indexes to improve response of queries. Performance tuning involved Memory, Disk I/O tuning, and SQL tuning.
- Diagnose and troubleshoot database problems and failures.
- Monitored the operating system response in terms of CPU usage, disk space, and swap space by using various UNIX utilities like SAR, VMSTAT, ISOSTAT and TOP.
- Monitored the Hit Ratios and tuning the System Global Area (SGA) accordingly.

- Performed Installation of SQL Enterprise 2005 64bit version on windows 2003 servers on Enterprise systems of clustered and standalone HP servers in Enterprise Data Centers.
- Performed SQL*Loader jobs for loading data from text files. Installed and configured Microsoft SQL Server Cluster server in SQL Server 2005 using HP servers for HP Customers.
- Migrated DTS Packages from Microsoft SQL Server 2000 to SQL Server 2005 as SSIS Packages.
- Handled day-to-day activities. Installation of Oracle 12c on Red Hat Linux, Solaris, and HP-UX.

Cisco, India

Senior Oracle DBA

Sep 2011 – June 2012

- Involved in administration of over 150 Oracle Instances. Involved in installation and creation of Oracle 9i, 10g and 11g databases for Testing, Development and Production.
- Load data into Oracle using SQL *Loader, RMAN backups, Export/Import database objects/schema, Enforce database accuracy and integrity. Provided 24x7 Database Administration and support.
- Monitored the scheduled oracle jobs, manage data feeds, verify the log tables, and tune performance of the database. Worked with application teams in preparing database design using Toad Data Modeler.
- Installed and Configuration of RedHat Enterprise Linux on Oracle Virtual Machine (OVM).
- Installed of Oracle Application Server on Linux on Oracle Virtual Machine (OVM).
- Worked on creating relationships between the tables.
- Worked with application teams in preparing database design using Toad Data Modeler.
- Worked on creating relationships between the tables.
- Provide user account administration, optimizing SQL queries; optimizing developer code, manage table partitions, large data sets and provide manual reports using SQL. Backup and Recovery via RMAN scripts and troubleshooting. The size of the production databases ranges from 1TB to 6TB.
- Responsible for cleanup demographic Data Warehouse tables, develop PL/SQL scripts, monitor data feed and data replication, address/resolve data issues.
- Responsible for installing and configuring Golden Gate 9.5 on Oracle Servers
- Responsible for upgrading Golden Gate 9.5 to Golden Gate 10.0
- Handle service requests from the business using CIT Helpdesk Service Management.
- Database Administration on application side, Web Server/Messenger Express Server Administration.
- Managed an Oracle 9i RAC system. The work also involves system administrator tasks like creation of users, file systems, volume groups and logical volumes etc. Upgrade of Database from 9.2.0.6 and to 10.2.0.2. Partitioned large table spaces to increase the performance of the database.
- Converted dictionary-based table spaces to locally managed table spaces to eliminate fragmentation, better performance, and reduced maintenance.
- Performed Tuning of various SQL queries to improve the performance of the database.
- Installation of Oracle 10g on HP-UX and AIX. Logical and Physical data modeling.
- Migrated file systems to ASM (Automatic Storage Management).
- Hard disk and Database space monitoring. General database administration including the management of instances, redo logs, temp space, rollback/undo segments and schema management.

Columbia Bank, India

Senior Oracle DBA

Jan 2011 – Sep 2011

- Implemented Oracle's Advanced Features such as Partition table, Partition Index, Function Based Indexes and Loaded bulk data with SQL*Loader.
- Created table spaces and managed tablespaces adding/deleting/ resizing data files.
- Managed Undo Segment to avoid "Snapshot too old" error.
- Most of the operations are done with Oracle Package and shell scripts at the backend.
- Created clearance break report, Delivery Advice Break report and customer exercise/assignment report in PL/SQL. Created backend objects like views, synonyms, sequences, procedures, and packages.
- Maintenance and troubleshooting of oracle network files like listener, tnsnames.ora.
- Performed logical backup & recovery using export/import utilities. Involved in Configuration.
- Actively involved with application team in coding SQL statements in PL/SQL.
- Developed complex shell scripts (korn mainly) for backup, rotating logs/files, etc.
- Designed and implemented database backup and recovery procedures (RMAN).
- Monitored and tuned database performance including SQL tuning.
- Implemented effective database security practices and procedures.

- Maintained and improved high availability and disaster recovery.
- Migrated data to other databases. Monitored usage of the databases and perform database tuning.
- Extensive use of Crontab in UNIX environment for scheduling routine tasks.
- Involved in database storage management.
- Involved in Performance tuning, database monitoring activities using STATSPACK
- Responsible for creating and maintain development and QA databases.
- Data loading using oracle SQL Loader, developed SQL*Loader scripts to load Global data.
- Drastically reduced unscheduled downtime and improved performance.
- Automated backups, software release installs, performance tuning and database metrics gathering.
- Improved backup processes resulting in one-minute (downtime) cold backups.
- Rebuilt, reorganized, and simplified databases, enhancing development, maintenance, and performance. Requirement analysis and database design.
- Implemented and managed the basic data replication.
- Trouble shooting performance issues using Explain Plan and TKprof.
- Maintenance & modification of Shell Scripts.
- Active Participation in the System Study Created tables, indexes, and views.
- Created stored procedures, functions, packages triggers, according to business requirements.
- Generated reports using Crystal Reports.


Credit Suisse, India

Junior Oracle DBA

Jul 2009 – Dec 2010

- Responsible for administering and supporting production and development Oracle 9i Databases.
- Responsible for installing, upgrading, and configuring the Oracle Server, Creating Databases, Storage Structures and Objects, Database backup and recovery, monitoring and optimizing database performance. Installed and configured Oracle RDBMS on UNIX and Windows environments.
- Installed and configured SQL Server 2000 in Windows environment.
- Responsible for setting and managing user accounts, granting required privileges to users.
- Created primary database storage structures (table spaces, rollback segments etc.).
- Monitored growth of tables and undertaking necessary re-organization of database as and when required. Monitored Scheduled jobs of the daily activities for the performance of all the databases.
- Applied patches, keeping applications software bug free, and improving data integrity.
- Developed, Tested, and implemented sound Backup and Recovery Strategy.
- Established and documented Backup and Recovery strategies and procedures after evaluating various options including RMAN.
- Developed hot, cold, and logical backup scripts to automate backup procedures. Prepared the documentation of the process and knowledge transfer about the project to the new team members.
- Planned for storage space requirements and placing them for optimum I/O performance.
- Partitioned tables by determining suitable methodology to improve the performance and manageability. Cloned Production and Test environments to create Patch Test, Development and QA environments.
- Monitored the database storage and day-to-day activities.
- Maintained all documents of Oracle database operations. Prepared documentation of database backup and recovery standards. Created PL/SQL procedures (jobs) to automate maintenance tasks.
- Participated in Disaster Recovery drills, documented database, and application validation steps.
- Performed all daily Maintenance tasks. Interacting with Oracle Customer service as and when required.
- Wrote scripts for the system and database for the effective functionality and report generation.
- Applied High priority, security patches downloaded from Metalink.
- Generated scripts for daily maintenance activity like analyzing the tables/indexes and monitoring their growth.

4. Pricing


	Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130	State of West Virginia Centralized Request for Quote Service - Prof
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Proc Folder: 1025461 Doc Description: Technical Staffing Service- Data Base Administrator Proc Type: Central Master Agreement		Reason for Modification:	
Date Issued	Solicitation Closes		Solicitation No
2022-04-20	2022-05-04 13:30	CRFQ 0704 INS2200000004	1

BID RECEIVING LOCATION
BID CLERK DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON ST E CHARLESTON WV 25305 US

VENDOR
Vendor Customer Code: VS0000040361 Vendor Name : Advanced Analytical Systems, Inc. Address : 25961 Hartwood Dr. Suite A Street : City : Chantilly State : VA Country : USA Zip : 20152 Principal Contact : Priyanka Arora Vendor Contact Phone: 703-609-0215 Extension:

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III (304) 558-2306 joseph.e.hageriii@wv.gov

Vendor Signature X 	FEIN# 46-2846333	DATE: May 03, 2022
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All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Offices of the Insurance Commissioner (OIC) to establish a contract for a database administrator staffing service. The Database Administrator position is needed to provide technical expertise to meet the temporary contracted staffing needs of the OIC Information Technologies Unit. These services will be used to create and modify stored procedures, control data exchange with outside entities, and patch and maintain Oracle and Microsoft SQL databases currently used by the OIC per the attached specifications and terms and conditions.

INVOICE TO		SHIP TO	
OFFICES OF THE INSURANCE COMMISSIONER PO BOX 50540		OFFICES OF THE INSURANCE COMMISSIONER 900 PENNSYLVANIA AVE	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Temporary information technology software developers	2080.00000	HOURL	\$104.00	\$216,320.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Extended Description:
Database Administrator
Year 1

INVOICE TO		SHIP TO	
OFFICES OF THE INSURANCE COMMISSIONER PO BOX 50540		OFFICES OF THE INSURANCE COMMISSIONER 900 PENNSYLVANIA AVE	
CHARLESTON	WV	CHARLESTON	WV
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Temporary information technology software developers	2080.00000	HOURL	\$106.00	\$220,480.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Extended Description:
Database Administrator
Year 2

INVOICE TO	SHIP TO
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OFFICES OF THE INSURANCE COMMISSIONER PO BOX 50540 CHARLESTON WV US	OFFICES OF THE INSURANCE COMMISSIONER 900 PENNSYLVANIA AVE CHARLESTON WV US
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Temporary information technology software developers	2080.00000	HOUR	\$108.00	\$224,640.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Extended Description:
Database Administrator
Year 3

INVOICE TO	SHIP TO
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OFFICES OF THE INSURANCE COMMISSIONER PO BOX 50540 CHARLESTON WV US	OFFICES OF THE INSURANCE COMMISSIONER 900 PENNSYLVANIA AVE CHARLESTON WV US
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Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Temporary information technology software developers	2080.00000	HOUR	\$110.00	\$228,800.00

Comm Code	Manufacturer	Specification	Model #
80111609			

Extended Description:
Database Administrator
Year 4

SCHEDULE OF EVENTS

Line	Event	Event Date
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	Document Phase	Document Description	Page
INS220000004	Final	Technical Staffing Service- Data Base Administrator	4

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

5. Required Forms

Designated contact 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.

(Name, Title) Priyanka Arora, President

(Printed Name and Title) Priyanka Arora, President

(Address) 25961, Suite A, Hartwood Drive, Chantilly, VA, 20152

(Phone Number) / (Fax Number) 703-348-2871

(email address) karens@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 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.

Elegant Enterprise-Wide Solutions, Inc.

(Company) Priyanka

(Authorized Signature) (Representative Name, Title)

Priyanka Arora, President

May 2, 2022

(Printed Name and Title of Authorized Representative) (Date)

703-348-2871

(Phone Number) (Fax Number)

karens@advancedanalyticalsystems.com

(Email Address)

Revised 04/01/2022

Addendum Acknowledgement Form

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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 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

May 2, 2022

Date

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

6. Proof of Insurance

2648048 Advanced Analytical Systems, Inc.

Certificate Of Insurance

1/31/2022 11:17:34 AM



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
1/31/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER TechInsurance 30 N. LaSalle, 25th Floor, Chicago, IL 60602	CONTACT NAME: PHONE (A/C No. Ext): (800) 668-7020 FAX (A/C. No): 877-826-9067 E-MAIL: ADDRESS:														
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Hartford Underwriters Insurance Company</td> <td>30104</td> </tr> <tr> <td>INSURER B : Philadelphia Indemnity Insurance Company</td> <td>18058</td> </tr> <tr> <td>INSURER C : Continental Casualty</td> <td>20443</td> </tr> <tr> <td>INSURER D : CNA Insurance Companies</td> <td>20443</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Hartford Underwriters Insurance Company	30104	INSURER B : Philadelphia Indemnity Insurance Company	18058	INSURER C : Continental Casualty	20443	INSURER D : CNA Insurance Companies	20443	INSURER E :		INSURER F :
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INSURER F :															
INSURED Advanced Analytical Systems, Inc. 25961 Hartwood Dr Ste A, Chantilly, VA, 20152-3671															

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			6021316924	11/1/2021	11/1/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
C	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			6021316924	11/1/2021	11/1/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
D	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			6020070815	11/1/2021	11/1/2022	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	46WECA60MZ	8/27/2021	8/27/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Professional Liability (Errors and Omissions)			PHSD1652500	8/27/2021	8/27/2022	Occurrence/Aggregate \$2,000,000 / \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER Insured's Copy	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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