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

Request for Quotation

GSD076433

PAGE

**ADDRESS CORRESPONDENCE TO ATTENTION OF:

KRISTA FERRELL 304-558-2596

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DEPARTMENT OF ADMINISTRATION
GENERAL SERVICES DIVISION
BUILDING 1
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV
25305 304-558-3517

DATE PRINTED TERMS OF SALE SHIP VIA F.O.B. FREIGHT TERMS 05/01/2007 **BID OPENING DATE:** 05/30/2007 **BID OPENING TIME** 01:30PM LINE QUANTITY UOP ITEM NUMBER UNIT PRICE **AMOUNT** 0001 JB 936-10 FAN COIL AND DUCT CLEANING, MAIN CAPITOL, BLDG#1 REQUEST FOR QUOTATION THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ADMINISTRATION'S GENERAL SERVICE DIVISION, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH THE CLEANING OF APPROXIMATELY (73) HVAC FAN COIL UNITS, (2) AIR HANDLING UNITS, AND ASSOCICATED DUCTWORK AND LOUVERS LOCATED ON THE SECOND FLOOR OF THE EAST AND WEST WINGS OF BUILDING #1 (MAIN CAPITOL BUILDING) LOCATED ON THE CAPITOL COMPLEX IN CHARLESTON, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS. A MANDATORY PRE-BID MEETING IS SCHEDULED FOR MAY 17, 2007 AT 10:00 AM IN THE BASEMENT OF BUILDING #1 (RM ALL GENERAL CONTRACTORS WISHING TO BID ON THIS PROJECT MUST ATTEND THIS MEETING. SUBCONTRACTORS AND MATERIAL SUPPLIERS ARE WELCOME, BUT NOT REQUIRED, TO ATTEND. ANY GENERAL CONTRACTOR FAILING TO ATTEND THIS MEETING WILL BE DISQUALIFIED FROM BIDDING ON THIS PROJECT. NO ONE PERSON MAY

REQUEST FOR QUOTATION (RFQ), VIA FAX AT 304-558-4115, OR VIA EMAIL AT KFERRE LLOWVADMIN.GOV. TECHNICAL

ALL TECHNICAL QUESTION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WV PURCHASING DIVISION VIA MAIL AT THE ADDRESS LISTED IN THE BODY OF THIS

REPRESENT MORE THAN ONE VENDOR.

FEIN

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE

TELEPHONE

DATE

TITLE

ADDRESS CHANGES TO BE NOTED ABOVE

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
- 5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- **13. BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
- 14. HIPAA Business Associate Addendum The West Viginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in cases of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

SIGNED BID TO:

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



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BUILDING 1
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV
25305 304-558-3517

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25305

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FREIGHT TERMS

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ADDRESS CORRESPONDENCE TO ATTENTION OF:

KRISTA FERRELL 304-558-2596

DEPARTMENT OF ADMINISTRATION

GENERAL SERVICES DIVISION **BUILDING 1**

F.O.B.

1900 KANAWHA BOULEVARD, EAST T CHARLESTON, WV 25305 304-558-3517

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DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION BUILDING 1 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305 304-558-3517

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Purchasing Division
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DEPARTMENT OF ADMINISTRATION SH-P GENERAL SERVICES DIVISION BUILDING 1 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305 304-558-3517

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Building 1- East & West Wings Fan Coil Unit &Duct Cleaning Project No. GSD 076433

REQUEST FOR QUOTATIONS

FAN COIL &DUCT CLEANING SERVICES

BUILDING 1- East & West Wings

1900 Kanawha Blvd, East Charleston, West Virginia

Location:

West Virginia State Capitol Building -

East and West Wings 1900 Kanawha Blvd, East

Charleston, West Virginia 25305

For:

State of West Virginia

General Services Division 1900 Kanawha Blvd; East

Charleston, West Virginia 25305

All inquiries for specification clarification shall be addressed to:

Krista Ferrell, Senior Buyer Purchasing Division

P. O. Box 50130

Charleston, West Virginia 25305-0130

Fax: (304) 558-4115 Kferrell@wvadmin.gov

The Acquisition and Contract Administration Section of the Purchasing Division "State" for the West Virginia General Services Division is soliciting quotations to provide Fan Coil & Duct Cleaning Services.

Scope:

The work consists of the cleaning of approximately 73 HVAC fan coil units, two air handling units and associated ductwork and louvers located on the second floor of the east and west wings

Building 1- East & West Wings Fan Coil Unit &Duct Cleaning Project No. GSD 076433

of the State Capitol Building. Cleaning is defined as all work necessary to remove dirt and debris from ductwork, diffusers, louvers, condensate pans, mechanical equipment and appurtenances and the disposal of associated refuse. The successful contractor shall be required keep the work area clean on a daily basis and remove debris from the site daily.

Contractor will be provided with available plans of the HVAC system. As part of this contract Contractor shall note deviations from these drawings, locations of access panels, adjustment dampers, smoke and fire dampers, valves and other as-built conditions.

Work shall be conducted as a single project with work phased on a area-by-area basis. Work in each area shall be substantially complete and inspected prior to beginning the next area or air subsystem. Submit a schedule showing the cleaning sequence, commencement and completion dates for each proposed area or subsystem. The schedule shall be reviewed and approved by the Owner prior to commencement of the work. Coordinate the schedule around Owner's work requirements.

Furnish all materials, labor, and equipment necessary to complete all work as indicated by these specifications. Intent is that the completed work consists of a fully completed fan coil & duct cleaning project. Furnish any incidental work, materials, labor and equipment that are necessary to complete the work, even if such incidental work is not explicitly included in the contract documents.

This Request for Quotations also incorporates the attached Specification "Section 15890 - Air Duct Cleaning", two attached Mechanical Floor Plan Drawings for the Building 1 East and West Wings and two.

Pre-Bid Meeting:

A mandatory pre-bid meeting for this project is scheduled for May 17, 2007 at 10:00 a.m. at the site. Contractors attending the meeting shall assemble in Room MB-69. This room is located in the basement of the Main Capitol Building.

Definitions:

- A. The Department of Administration, General Services Division, Room MB-60, State Capitol, Charleston, West Virginia shall be hereinafter called the "Owner".
- B. The service organization contracted by these specifications shall hereinafter be called the "Contractor".

- C. "The Contract", as hereinstated, shall mean the agreement between the Owner and the Contractor to provide the services as herein specified.
- D. "Owners Representative", as herein stated, shall be defined as that person so designated by the Director of the General Services Division.
- E. "Architect/Engineer", as stated in the Contract shall refer to the General Services Division.

Contract Period:

The Contract shall be substantially completed within 90 calendar days from the issuance of the written Notice to Proceed. In accordance with the West Virginia State Code 5A-3-4(8), vendor agrees that liquidated damages shall be imposed at the rate of \$100.00 per day for failure to complete the project within the contract period. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other additional remedy to which the State or Agency may have legal cause for action including further damages against the vendor.

Reference Requirement:

The qualified contractor shall have at least three years experience performing such work on projects of a similar size and type. Bidders shall supply at least three references indicating their capabilities to perform such work. References shall include the name, location, ownership and use of the building in addition to the name, address and telephone number of a contact person with the building's owner familiar with the duct cleaning work.

Payment:

The Contractor shall submit two copies (one original and one copy) of current invoices once each month on AIA forms G702 and G703. Invoices shall be signed in blue ink. Deliver invoices to:

General Services Division Attn: Business Manager 1900 Kanawha Blvd. East Building 1, Room MB-60 Charleston, West Virginia 25305

Payments shall be made monthly based on the percentage of work completed. A five percent

(5%) retainage will be deducted until the substantial completion of the entire contract. Progress payments shall not be made when the total value of the work performed since the last estimate amounts to less than Five Hundred (\$500.00) dollars.

Submit the proposed invoice to the General Services Division - Projects / Engineering Section for approval of format prior to submission of first invoice.

Supplementary General Conditions:

- The relationship of the Contractor to the Owner shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this/Contract. The Contractor as an independent contractor is solely liable for the acts and omissions of its employees and agents. The Contractor shall be responsible for selecting, supervising and compensating any and all individuals employed pursuant to the terms of this contract. Neither the Contractor nor any employees or subcontractors of the Contractor shall be deemed to be employees of the State for any purposes whatsoever. The wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred obligations and licensing fees, etc., and the filing of all necessary documents, forms and returns pertinent to all of the foregoing are the Contractor's responsibility. The Contractor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes, and employer income tax returns. The Contractor shall not assign, convey, transfer, sub-contract, or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership association or entity without expressed written consent of the agency.
- 2. Indemnification: The Contractor agrees to indemnify, defend, and hold harmless the State and the Owner, their officers, and employees from and against (1) any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Contractor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or deposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; (3) Any failure of the Contractor, its officers, employees or sub-contractors to observe State and Federal laws, including but not limited to labor and wage laws.

- 3. This Contract shall be governed by the laws of the State of West Virginia. The Contractor further agrees to comply with the Civil Rights Act of 1964 and all other applicable Federal, State, and local Government regulations.
- 4. The Contractor shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State, or municipal, along with all regulations, and ordinances of any regulating body.
- 5. The Contractor shall pay any applicable sales, use, or personal property taxes, arising out of this Contract and the transactions contemplated thereby. Any other taxes levied upon this Contract, the transaction, or the equipment, or services delivered pursuant hereto shall be borne by the Contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this Contract.
- 6. Contractor shall be responsible for parts and materials as follows:
 - A. The Contractor shall supply all tools, tool accessories, personal safety equipment, and supplies necessary to execute the responsibilities of this Contract.
 - B. Contractor shall furnish a warranty of twelve (12) months for labor and materials.

Bid Bond:

A five percent (5%) Bid Bond is required for submission of the bid. Bonds may be provided in the form of a certified check, irrevocable letter of credit, or bond furnished by a solvent surety company authorized to do business in the state of West Virginia.

The successful bidder shall furnish a performance bond and labor/material bond for one hundred (100%) percent of the amount of the contract prior to contract award. Bonds may be provided in the form of a certified check, irrevocable letter of credit, or bond furnished by a solvent surety company authorized to do business in the state of West Virginia. A letter of credit submitted in lieu of a performance and labor/material bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable in lieu of the performance bond or labor/material bond.

Insurance:

Contractor shall provide evidence to the Owner of adequate coverage for Public Liability and Property Damage Insurance (\$1,000,000 minimum) to protect the Owner from any claim of

Building 1- East & West Wings Fan Coil Unit &Duct Cleaning Project No. GSD 076433

damage, which might arise from any accident or carelessness during the life of this contract. Insurance limits shall meet insurance requirements for state projects, available from the WV Purchasing Division. All employees engaged in work under this contract shall be covered by West Virginia Worker's Compensation Insurance.

Wage Rates:

All employees engaged in the work of this contract shall be paid at least the minimum wage scales for the various trade classifications as established by the State Commissioner of Labor for the county where the work is being performed. All employees will be shown a copy of the wage scale for this particular area and a copy will be posted in a conspicuous place on the jobsite.

Vendor's Number:

The State of West Virginia will consider bids from all qualified vendors including those who do not have a current vendors certificate. Prior to the award of a contract, vendors must have a vendor's certificate and obtained a vendor's number from the Purchasing Division. Application for such certificate and vendor's number may be obtained from the Purchasing Director, Department of Finance and Administration, 2019 Washington Street, East; Charleston, West Virginia 25305. Application forms are also available from the Division of Purchasing website at www.state.wv.us/admin/purchase.

Submittals:

All submittals for this project shall be reviewed and approved by the General Services Division Projects/Engineering Section.

Project Closeout:

- 1. Closeout documents, including marked-up as-built drawings shall be submitted in bound format prior to final application payment.
- 2. Final cleanup shall be completed prior to final acceptance.
- 3. Submit As-Built Drawings and record documents.
- 4. Submit "Affidavit of Payment of Debts and Claims."

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Final Inspection:

The Final Inspection will be conducted by an Architect / Engineer from the General Services Division, Projects / Engineering Section.

Work found to be in accordance with the Contract Documents will be accepted as complete for final acceptance. Unacceptable work, or work not in accordance with the Contract Documents shall be removed, replaced, changed or cleaned as required to meet requirements of Contract Documents prior to final acceptance. Final Acceptance does not waive or release Contractor to conform with the Contract Documents.

The date of Substantial Completion shall be determined by the Architect/Engineer conducting the final inspection based on all work being complete for final acceptance or substantially complete to permit beneficial use by the Owner. Final payment shall not be made until all work is finally accepted.

Award Criteria:

The State will award this Contract to the contractor meeting the mandatory requirements with the lowest overall project bid. The lowest overall project bid shall be determined by the base bid plus the unit costs of ten drain pan replacements.

Limits of Work

Work areas will be limited to those spaces required for access to mechanical equipment and, when applicable, to the associated ductwork.

Some mechanical room space may be utilized for temporary (overnight) storage of equipment and tools. Coordinate storage needs with the GSD Building Manager.

Owner and Agency office spaces shall remain in use during this contract. Contractor shall work with the Building Manager to coordinate the temporary access to work areas, the movement of furniture and portable partitions and otherwise provide for the Contractor needs to access ductwork. Contractor shall minimize disruption to individual work stations.

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Use of Facilities

Contractor shall be permitted reasonable use of building utilities including power, water and sanitary sewage disposal as required for conducting the work. Coordinate the location of service connections or use of receptacle with the building manager to avoid overloading existing circuits.

Contractor Schedule:

Provide proposed construction schedule indicating rooms and floor areas to be worked.

Waste Removal

Contractor to make arrangements for the collection and disposal of Contractor's waste and construction related debris. Debris shall be removed on a daily basis.

Contractor Visitor Badges

The Capitol Building is a semi-secure facility. Contractor shall provide a list of all personnel working on this project within the Building. This list shall include a copy of a valid driver's license or other legal identification and include date of birth and social security number. All proposed workers may be subjected to a criminal history / driver's license background check prior to being permitted to work in state buildings. Workers shall carry valid Contractor Photo ID Badges to be worn when working in the building. Under no circumstances shall a worker be assigned to this project without the validation first being submitted to the General Services Division and approval given.

Work Restrictions:

Work shall be generally performed inside the existing building during normal business working hours of 7:00 am to 7:00 pm, Monday through Friday, except state recognized holidays.

Non-smoking building: Smoking is not permitted within the building or near entrances, operable windows or outdoor air intakes.

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Parking

No parking is available near the building. The Contractor is responsible for providing all off-site parking required for the project. Contractors / workers may arrange on-site parking in available state parking lots. Provisions will be made for locating refuse dumpsters if required by the project.

Building Access

The building is available from 7:00 am to 7:00 pm. Extended work hours may be acceptable if approved by the Owner. This building is a semi-secure location. Access to the building shall be coordinated with the Owner's Protective Services Division. The East Loading Dock may be utilized for periods not to exceed one-half hour to load/unload equipment and supplies but may not be used for parking or storage. Contractor shall not leave open doors unattended and shall close doors when not in use.

As-Built Documents:

The Contractor will be provided with a set of the plans of the HVAC system. The original construction plans are for informational purposes only. The Owner does not warrant the accuracy or completeness of these drawings and is not responsible for deviations from these original plans.

As part of this contract the Contractor shall note deviations from the construction drawings, locations of access panels, adjustment dampers, smoke and fire dampers, and other as-built conditions. Provide a copy of these marked up drawings as part of the final project documentation.

Codes:

All work is to be performed in compliance with applicable Federal and State codes including but not limited to the International Building Code, International Mechanical Code, Life Safety Code, NEC, OSHA,UL, ANSI, ASME and related standards.

Building 1- East & West Wings Fan Coil Unit &Duct Cleaning Project No. GSD 076433

Workmanship:

Contractor shall complete all work in a neat and workmanlike manner. All work shall be done using new materials in a manner that meets commercial quality standards. Work shall be neat, true, plumb and square, as applicable.

Warranty:

Contractor shall warranty work for a period of one year from the date of Substantial Completion.

GENERAL SERVICES DIVISION

WEST VIRGINIA STATE CAPITOL BUILDING 1, EAST & WEST WINGS FAN COIL UNIT & DUCT CLEANING KANAWHA COUNTY, WEST VIRGINIA

BID OR PROPOSAL

NAME OF BIDDER
ADRESS OF BIDDER
•
PHONE NUMBER
FIIONE NOMBER
WV CONTRACTOR'S LICENSE NO.
We, the undersigned, having examined the site and being familiar with the local conditions affecting the cost of the work and also being familiar with the general conditions to bidders, drawings, and specifications, hereby propose to furnish all materials, equipment, and labor to complete all work in a workmanlike manner, as described in the Bidding Documents.
BASE BID FOR CLEANING: All labor, materials and equipment as stipulated in the Bidding Documents.
BASE BID AMOUNT:
(\$
(Total to be written in figures and words.)

UNIT PRICE- DRAIN PAN REPLACEMEN stipulated in the Bidding Documents to repla	T: All labor, materials and equipment as ace failed drain pans.	*
BASE BID AMOUNT FOR EACH REPLAC	ED PAN:	
	(\$)
(Total to be written in figures and words.)		
(Total to be written in figures and words.)	(\$	_)

The Bidder understands that to the extent allowed by the West Virginia Code, the OWNER reserves the right to waive any informality or irregularity in any Bid, or Bids, and to reject any or all Bids in whole or in part; to reject a bid not accompanied by the required bid security or by other data required by the Bidding Documents; to reject any conditions of the bid by the Bidder that is in any way inconsistent with the requirements, terms, and conditions of the Bidding Documents; or to reject a bid that is in any way incomplete or irregular.

The Bidder, if successful and awarded the contract, agrees that all work is to be complete within NINETY (90) consecutive calendar days following receipt of the OWNER'S written notice to proceed. For each calendar day of delay in achieving completion, the Contractor shall be liable for, and shall pay the OWNER liquidated damages in the amount of \$100.00 per day.

Upon receipt of the OWNER'S written notice of acceptance of this bid, the Bidder agrees that he shall execute and deliver the contract along with insurance certificates as set forth in the Bidding Documents to the OWNER within ten (10) consecutive calendar days.

When the WORK under contract has been complete and its acceptance is recommended by the OWNER, the retainage shall be released and paid to the CONTRACTOR.

ADDENDUM ACKNOWLEDGEMENT

I hereby acknowledge receipt of the following checessary revisions to my proposal.	necked addendum and have made the
Addendum No.	Date
I understand that failure to confirm the receipt of bids.	of the Addendum may cause for rejection
Signature	Date
RESPECTFULLY SUBMITTED:	
DATE:	_
WV VENDOR NUMBER:	_
BY:(Signature in ink)	_
TITLE:	
FIRM NAME:	
ADDRESS:	

References:	
Position: Address: Telephone Number: Project Name:	
Position: Address: Telephone Number: Project Name:	
Reference Name: Position: Address: Telephone Number: Project Name: Project Description:	

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SECTION 15890 - AIR DUCT CLEANING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes cleaning of the following existing duct systems:
 - 1. Supply system.
 - 2. Return system.
 - 3. Exhaust system.
 - 4. Fan coil units

1.3 DEFINITIONS

- A. ASCS: Air system cleaning specialist.
- B. NADCA: National Air Duct Cleaners Association.
- C. SMACNA: Sheet Metal and Air Conditioning Contractors' National Association.

1.4 SUBMITTALS

- A. Manufacturer Certificates: Signed by manufacturers certifying that products comply with requirements.
- B. Qualification Data: For ASCS.
- C. Field quality-control test reports.

1.5 QUALITY ASSURANCE

- A. ASCS Qualifications: A certified member of NADCA.
 - 1. Certification: As a minimum an ASCS certified by NADCA shall be employed on a full-time basis to supervise the project.
 - 2. Supervisor Qualifications: Certified as an ASCS by NADCA.
 - 3. Experience: Submit records of experience in the field of HVAC systems cleaning.

- 4. Equipment, Materials, and Labor: Have equipment, materials, and labor required to perform specified services.
- B. Comply with current published standards of NADCA.

PART 2 - PRODUCTS

2.1 SHEET METAL MATERIALS

- A. Comply with SMACNA's "HVAC Duct Construction Standards Metal and Flexible" for acceptable materials, material thicknesses, and duct construction methods, unless otherwise indicated.
- B. Galvanized-Steel Sheet: Lock-forming quality; complying with ASTM A 653/A 653M and having G60 coating designation; ducts shall have mill-phosphatized finish for surfaces exposed to view.
- C. Reinforcement Shapes and Plates: Galvanized-steel reinforcement where installed on galvanized sheet metal ducts; compatible materials for aluminum and stainless-steel ducts.

2.2 DUCT-MOUNTED ACCESS DOORS

- A. General Description: Fabricate doors airtight and suitable for duct pressure class.
- B. Rectangular Duct Door: Double wall; fabricated of galvanized sheet metal with insulation fill and thickness as indicated for duct pressure class. Include 1-by-1-inch butt or piano hinge and cam latches.
 - 1. Frame: Galvanized-steel sheet; with bendover tabs and foam gaskets.
 - 2. Provide number of hinges and locks as follows:
 - a. Less Than 12 Inches Square: Secure with two sash locks.
 - b. Up to 18 Inches Square: Two hinges and two sash locks.
- C. Seal around frame attachment to duct and door to frame with neoprene or foam rubber.
- D. Insulation: 1-inch thick fibrous-glass or polystyrene-foam board.

2.3 FLEXIBLE CONNECTORS

- A. General Description: Flame-retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1. In general, flexible connectors and ducts shall match existing.
- B. Flexible-Duct Clamps: Stainless-steel band with cadmium-plated hex screw to tighten band with a worm-gear action, in sizes 3 through 18 inches to suit duct size.

2.4 DUCT ACCESSORY HARDWARE

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- A. Fusible Links: Replaceable, 165 deg F rated.
- B. Adhesives: High strength, quick setting, neoprene based, waterproof, and resistant to gasoline and grease.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine systems to determine appropriate methods, tools, and equipment required for performance of work.
- B. Prepare written report listing conditions detrimental to performance of work.
- C. Proceed with work only after unsatisfactory conditions have been corrected.

3.2 CLEANING

- A. Engage a qualified ASCS to clean the following systems:
 - 1. Supply system.
 - 2. Return system.
 - 3. Exhaust system.
 - 4. Fan coil units
- B. Perform cleaning before air balancing or mark position of dampers and air-directional mechanical devices before cleaning.
- C. Use duct-mounted access doors, as required, for physical and mechanical entry and for inspection.
 - 1. Install additional duct-mounting access doors to comply with duct cleaning standards.
 - 2. Disconnect and reconnect flexible connectors as needed for cleaning and inspection. Replace damaged and deteriorated flexible connectors.
 - 3. Reseal rigid-fiberglass-duct systems according to NAIMA recommended practices.
 - 4. Replace damaged fusible links on fire and smoke dampers. Replacement fusible links shall be same rating as those being replaced. Remove and reinstall ceiling components to gain access for duct cleaning. Clean ceiling components after they have been removed and replaced.
- D. Mark position of dampers and air-directional mechanical devices before cleaning, and restore to their marked position on completion.
- E. Particulate Collection and Odor Control:

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- 1. Where venting vacuuming system inside building, use HEPA filtration with 99.97 percent collection efficiency for 0.3-micron size (or greater) particles.
- 2. When venting vacuuming system outside building, use filtration to contain debris removed from the HVAC system and locate exhaust down wind and away from air intakes and other points of entry into building.
- F. Clean the following metal-duct system components by removing visible surface contaminants and deposits:
 - 1. Air outlets and inlets (registers, grilles, and diffusers).
 - 2. Supply, return, and exhaust fans including fan housings, plenums (except ceiling supply and return plenums), scrolls, blades or vanes, shafts, baffles, dampers, and drive assemblies.
 - 3. Air-handling-unit internal surfaces and components including mixing box, coil section, air wash systems, condensate drain pans, humidifiers and dehumidifiers, filters and filter sections, and condensate collectors and drains.
 - 4. Coils and related components.
 - 5. Return-air ducts, dampers, and actuators, except in ceiling plenums and mechanical room.
 - 6. Supply-air ducts, dampers, actuators, and turning vanes.
 - 7. Dedicated exhaust and ventilation components.

G. Mechanical Cleaning Methodology:

- 1. Clean metal-duct systems using mechanical cleaning methods that extract contaminants from within duct systems and remove contaminants from building.
- 2. Use vacuum-collection devices that are operated continuously during cleaning. Connect vacuum device to downstream end of ducts so areas being cleaned are under negative pressure.
- 3. Use mechanical agitation to dislodge debris adhered to interior duct surfaces without damaging integrity of metal ducts or duct liner.
- 4. Clean fibrous-glass duct liner with HEPA vacuuming equipment, and do not permit duct liner to get wet. Replace fibrous-glass duct liner that is damaged, deteriorated, or delaminated or that has friable material, mold, or fungus growth.
- 5. Clean coils and coil drain pans according to NADCA 1992. Keep drain pan operational. Rinse coils with clean water to remove latent residues and cleaning materials; comb and straighten fins.
- 6. Provide operative drainage system for washdown procedures.
- 7. Biocidal Agents and Coatings: Apply biocidal agents if fungus is present; use according to manufacturer's written instructions after removal of surface deposits and debris.

H. Cleanliness Verification:

- 1. Verify cleanliness after mechanical cleaning and before application of treatment, including biocidal agents and protective coatings.
- 2. Visually inspect metal-duct systems for contaminants.
- 3. Where contaminants are discovered, reclean and reinspect duct systems.

3.3 DUCT ACCESSORIES INSTALLATION

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- A. Install duct accessories according to applicable details in SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" for metal ducts and in NAIMA AH116, "Fibrous Glass Duct Construction Standards," for fibrous-glass ducts.
- B. Provide duct accessories of materials suited to duct materials; use galvanized-steel accessories in galvanized-steel and fibrous-glass ducts, stainless-steel accessories in stainless-steel ducts, and aluminum accessories in aluminum ducts.
- C. Install duct-mounting access doors where access doors do not currently exist to allow for the cleaning of ducts, accessories, and terminal units as follows:
 - 1. On both sides of duct coils.
 - 2. Downstream from volume dampers, turning vanes, and equipment.
 - 3. Adjacent to fire or smoke dampers; reset or install new fusible links.
 - 4. Before and after each change in direction, at maximum 50-foot spacing.
 - 5. On sides of ducts where adequate clearance is available.
- D. Install the following sizes for duct-mounting, rectangular access doors:
 - 1. One-Hand or Inspection Access: 8 by 5 inches
 - 2. Two-Hand Access: 12 by 6 inches
 - 3. Head and Hand Access: 18 by 10 inches
 - 4. Head and Shoulders Access: 21 by 14 inches
 - 5. Body Access: 25 by 14 inches

3.4 CONNECTIONS

- A. Reconnect ducts to fans and air-handling units with existing flexible connectors after cleaning ducts and flexible connectors. Replace existing damaged and deteriorated flexible connectors.
- B. Reconnect terminal units to supply ducts with existing flexible ducts or replace damaged and deteriorated existing flexible ducts with maximum 12-inch lengths of new flexible duct.
- C. Reconnect diffusers to low-pressure ducts with existing flexible ducts or replace damaged and deteriorated existing flexible ducts with maximum 60-inch lengths of flexible duct clamped or strapped in place.
- D. Reconnect existing and new flexible ducts to metal ducts with draw bands or adhesive plus sheet metal screws.

3.5 DRAIN PAN REPAIR – REPLACEMENT

- A. In cases where existing fan-coil unit drain pans have failed or where failure is likely, fabricate and install new sheet metal drain pan to match existing.
- B. Payment for new drain pans will be made on a per unit basis using the unit prices bid. Contractor shall verify the need for replacement with Owner's representative prior to approving replacement. The bid shall be based on an estimated replacement of five drain pans for each wing.

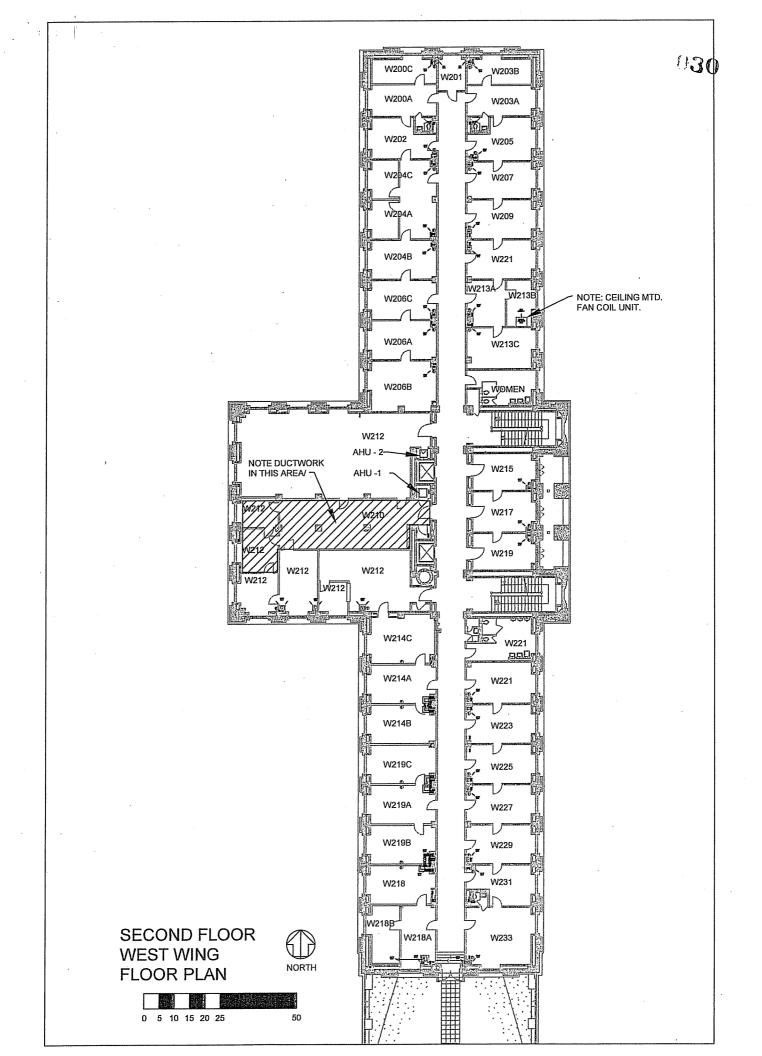
3.6 FILTERS

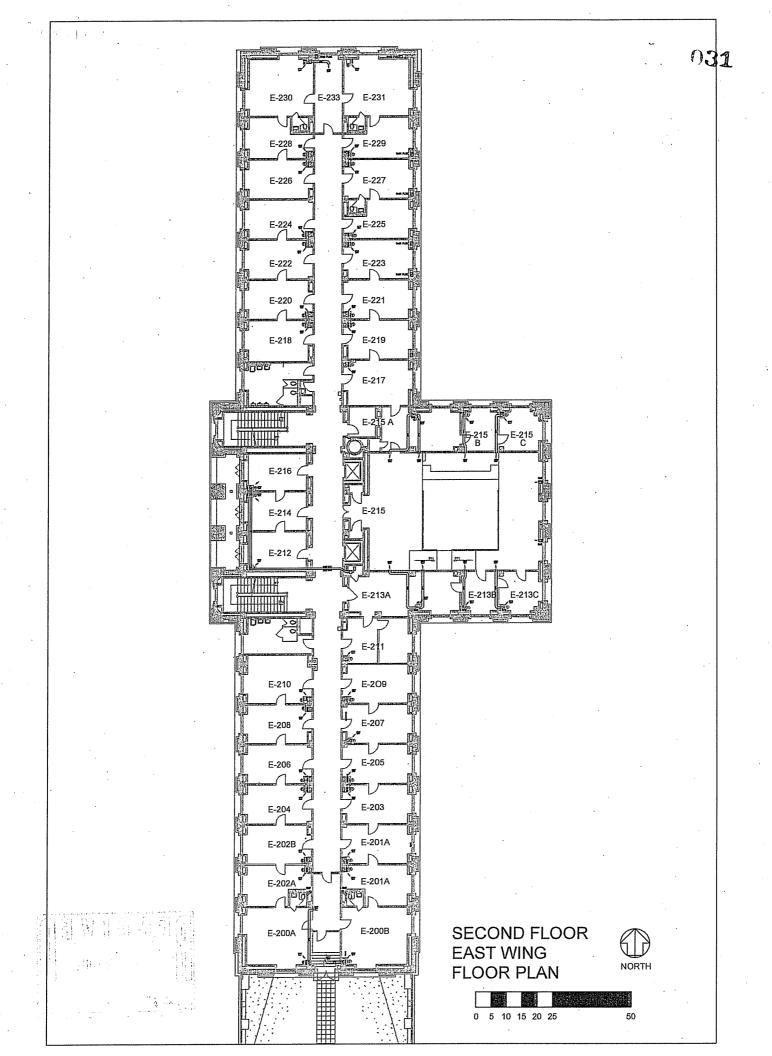
A. Owner will provide contractor with new filters to be installed when unit is cleaned and placed back in service.

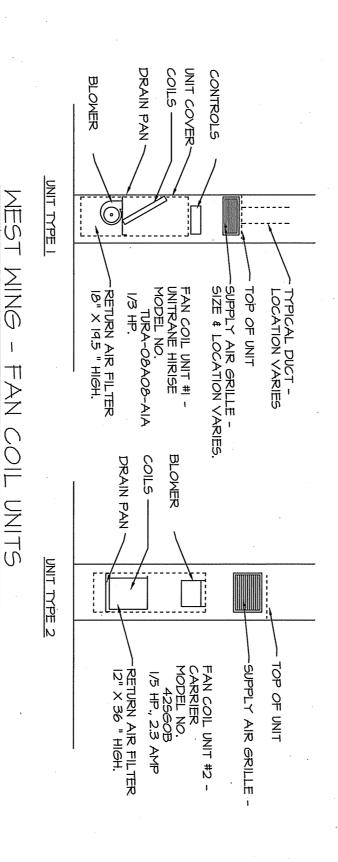
3.7 FIELD QUALITY CONTROL

- A. Verification of Coil Cleaning: Coil will be considered clean only if it is free of foreign matter and chemical residue, based on thorough visual inspection.
- B. Report results of tests in writing.

END OF SECTION 15890







SUPPLY AIR GRILLES NOTE: COIL ACCESS
THROUGH RETURN #

SUPPLY AIR GRILLE -SIZE & LOCATION VARIES. TOP OF UNIT TYPICAL DUCT -LOCATION VARIES

or W402 FP 3.4 AMP, .27 HP. MHALEN CO. MODEL NO. M802 FP

FAN COIL UNIT -

RETURN AIR GRILLE 12" × 36 " HIGH.

DRAIN PAN

HAST MINO

FAN COIL UNITS

	•	BID BOND			***
KNOW ALL MEN BY	THESE PRESENTS, That	t we, the undersigned,			· · · 34
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The Condition of the a Department of Administration a	bove obligation is such tha certain bid or proposal, att	at whereas the Principa ached hereto and mad	al has submitte de a part hereo	d to the Purchasing f, to enter into a co	section of the ntract in writing for
NOW THEREFORE,					
agreement created by the accept force and effect. It is expressly u exceed the penal amount of this of the Surety, for the value way impaired or affected by any exaive notice of any such extension. IN WITNESS WHEREOF	nderstood and agreed that obligation as herein stated. received, hereby stipulate xtension of the time within n. , Principal and Surety have	obligation shall be null the liability of the Sures and agrees that the which the Obligee may	and void, other and void, other and sond other and obligations of sond society accept such to the society accept such the society accept society.	in all other respectivise this obligation all claims hereund all claims hereund aid Surety and its took, and said Surety	its perform the natall remain in fuller shall, in no event, er shall, in no event, pond shall be in no does hereby
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				Altorney in Engl	

Agency_ REQ.P.O#_

ORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance. Corporate seals must be affixed, wer of attorney must be attached

			•	KFQ/RFP#	_()
			ב מ ה: מ	,	J
(A)) WV State Agency	. KNOW ALL MEN BY	Bid Bond	! ESENTS, That we, the undersi	
	(Stated on Page 1 "Spending Unit"	(C) of	(D)		gne
	Request for Quotation Number (upp	er as Principal, and (F)		of (G)	
	right corner of page #1)				
(C)		of the State of (I)	poration orgi	anized and existing under the l	a ws
(D)			with its p	rincipal office in the City of	
(E)	State, Location of your Company	of West Virginia as Obligan in the	iety, are neid	d and firmly bound unto The S	late
(F)	Surety Corporate Name	of West Virginia, as Obligee, in the	ie penai sum	(K)	
(G)	City, Location of Surery	we jointly and severally hind average	e payment o	f which, well and truly to be m	ıade
(H)	State, Location of Surety	we jointly and severally bind ourse successors and assigns.	erves, our ne	eirs, administrators, executors,	
(I)	State of Surety Incorporation	The Condition of the above	1.1:		
(1)	City of Surety Incorporation	has submitted to the Durchosine Co	ve obligation	is such that whereas the Princ	:ipa
(K)	Minimum amount of acceptable bid	has submitted to the Purchasing Se	ction of the	Department of Administration	
. ,	bond is 5% of total bid. You may stat	a certain bid or proposal, attached le contract in writing for	nereto and n	nade a part hereof to enter into	а
	"5% of bid" or a specific amount on	c contract in writing for	/B.6\		
	this line in words.		(M)		
(L)	Amount of bond in figures				
(M)	Brief Description of scope of work	NOW THEREFORE.			
(N).	Day of the month	(a) If said bid shall be reje	4 1		
(0)	Month	(b) If said bid shall be reje	eciea, or		
. (P)	Year	contract in accordance with the hid	epied and in	e Principal shall enter into a	
` (Q)	Name of Corporation	contract in accordance with the bid	or proposal	attached hereto and shall furnis	sh
(R)	Raised Corporate Seal of Principal	any other bonds and insurance requi	ired by the b	id or proposal, and shall in all	
(S)	Signature of President or Vice	other respects perform the agreemen	it created by	the acceptance of said bid the	ח
` '	President	this obligation shall be null and void	i, otherwise	this obligation shall remain in	full
(T)	Title of person signing	force and effect. It is expressly under	erstood and a	agreed that the liability of the	
(U)	Raised Corporate Seal of Surety	Surety for any and all claims hereund amount of this obligation as herein st	der shall, in	no event, exceed the penal	
(v)	Corporate Name of Surety	The Surety for unless and in	iated		
• •		obligations of said System and the La	ed, hereby s	tipulates and agrees that the	
(X)	Signature of Attorney in Fact of the	obligations of said Surety and its bon	id shall be in	i no way impaired or affected b	эy
	Surety	any extension of time within which the	ne Obligee n	nay accept such bid: and said	
NOTE:	Dated, Power of Attorney with Raised	Surety does hereby waive notice of an	ny such exte	nsion.	
	Surety Seal must accompany this bid	hands and seals and such after	Principal and	Surety have hereunto set thei	r
	bond.	hands and seals, and such of them as a	are corporat:	ions have caused their corporations	te
		seals to be affixed hereto and these prothing (N) day of (C)	esents to be	signed by their proper officers	i,
		this (N) day of (C	<u>) </u>	<u>(P)</u> .	
		Principal Company Cont			
		Principal Corporate Seal	-	(Q)	_
	•	(B)	_	(Name of Principal)	
		. (R)	Ву	(S)	
	•			(Must be President or	
				Vice President)	
•			-	(T)	
				Title	
		(U)			
		Surety Corporate Seal	•	(V)	
				(Name of Surety)	
					•
,				(X)	
	•			Attorney-in-Fact	
		ADODTANT C			
		MPORTANT - Surety executing bonds	must be lice	ensed in West Virginia to	
	. u	ansact surery insurance. Corporate seal	s must be af	fixed, a power of attorney	
	m	use oc anached			

must be attached.

AGENCY

RFQ No. GSD07643	33
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STATE OF WEST VIRGINIA Purchasing Division

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PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit **www.state.wv.us/admin/purchase/privacy** for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name:	
Authorized Signature:	Date: