

**EXPRESSION OF INTEREST FOR ENGINEERING SERVICES**

**PIPESTEM RESORT STATE PARK  
WEST VIRGINIA DIVISION OF NATURAL RESOURCES**

**CABIN AREA  
WASTEWATER TREATMENT PLANT REPLACEMENT PROJECT**

**Submitted To:**

**Division of Natural Resources  
324 4<sup>th</sup> Avenue  
South Charleston, West Virginia 25303**

06/16/16 11:29:01  
WV Purchasing Division

**June 16, 2016**

**Submitted By:**

**GHOSH ENGINEERS, INC.  
4710 Chimney Drive, Suite A  
Charleston, West Virginia 25302  
(304) 343-5300**

EXPRESSION OF INTEREST FOR ENGINEERING SERVICES

PIPESTEM RESORT STATE PARK  
WEST VIRGINIA DIVISION OF NATURAL RESOURCES

CABIN AREA  
WASTEWATER TREATMENT PLANT REPLACEMENT PROJECT

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June 16, 2016

Department of Administration  
Purchasing Division  
ATTN: Bid Clerk  
2019 Washington Street East  
Charleston, WV 25305

RE: Expression of Interest for Engineering Services  
Pipestem Resort State Park  
Cabin Area Wastewater Treatment Plant Replacement Project

Dear Sir or Madam:

We are pleased to submit our Expression of Interest for all engineering services pertaining to the replacement of the existing wastewater treatment facility which serves Pipestem Resort State Park. In making this proposal, we would like to stress the following:

1. During the last 34 years, we have designed and completed many wastewater treatment systems, collection systems, and transportation systems totaling over \$80 million in construction cost. During the same time period, we also designed and completed many water treatment, storage, and distribution systems totaling over \$30 million in construction cost.
2. We have just recently completed construction of \$12 million in sanitary/storm water separation and rehabilitation of portions of the wastewater system improvements project for the City of Dunbar. This project was funded entirely with an SRF loan.
3. We are very familiar with Federal and State regulations pertaining to water and wastewater projects. We maintain an excellent working relationship with governmental agencies such as the Department of Health, Public Service Commission, Department of Environmental Protection, WV Development Office, WV Infrastructure and Jobs Development Council, regional councils, etc. We are a Charleston-based, West Virginia corporation having vast experience in regulations controlling West Virginia projects.
4. We have the manpower, equipment and the technical expertise to meet your needs, and we can provide that expertise at a fair and reasonable cost and with personalized service.

Department of Administration  
June 16, 2016

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Thank you for the opportunity to submit this proposal. We are available and welcome the opportunity to discuss further detailed Scope of Work, Project Schedule, Engineering Fees, or any questions you may have.

Sincerely,

  
GHOSH ENGINEERS, INC.

Paul Ghosh, PE  
President

PG/ktc

Enclosures

**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.

PULAK GHOSH                      PRESIDENT  
 (Name, Title)

PULAK GHOSH                      PRESIDENT  
 (Printed Name and Title)

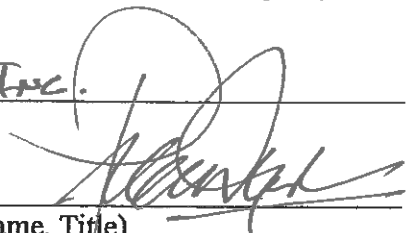
4710 CHIMNEY DR NE              CHARLESTON, WV 25302  
 (Address)

(304) - 343 - 5300                      (304) - 343 - 5912  
 (Phone Number) / (Fax Number)

paulghosh@hotmail.com  
 (email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation 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 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.

GHOSH ENGINEERS, INC.  
 (Company)

 PRESIDENT.  
 (Authorized Signature) (Representative Name, Title)

PULAK GHOSH                      PRESIDENT.  
 (Printed Name and Title of Authorized Representative)

JUNE 15, 2016.  
 (Date)

(304) - 343 - 5300                      (304) - 343 - 5912  
 (Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM

SOLICITATION NO.: CE01 0310 DNR1600000022

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)

- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5
- Addendum No. 6
- Addendum No. 7
- Addendum No. 8
- Addendum No. 9
- 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.

GHOSH ENGINEERS, INC.  
Company

Authorized Signature

JUNE 15, 2016  
Date

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

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

**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.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"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.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: GHOSH ENGINEERS, INC.

Authorized Signature: [Signature] Date: 6/15/2016

State of WV

County of Kanawha, to-wit:

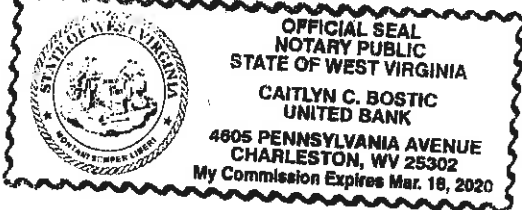
Taken, subscribed, and sworn to before me this 15 day of June, 2016.

My Commission expires March 18, 2020.

NOTARY PUBLIC Caitlyn C. Bostic

*Purchasing Affidavit (Revised 08/01/2015)*

AFFIX SEAL HERE



**ADDENDUM ACKNOWLEDGEMENT FORM**

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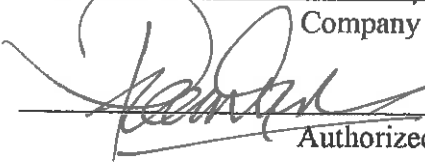
**Addendum Numbers Received:**

(Check the box next to each addendum received)

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

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GHOSH ENGINEERS, INC.  
Company

  
Authorized Signature

6/15/2016  
Date

**NOTE:** This addendum acknowledgement should be submitted with the bid to expedite document processing.  
Revised 6/8/2012



## PERFORMANCE RECORD

We are proud to provide you with some of the performance records of wastewater projects undertaken in the last thirty-four years by Ghosh Engineers, Inc. We encourage you to call any and all of our clients to inquire about our professional capability, ability to perform on time, ability to hold cost overruns to minimum and general overall performance. Below are some of the many projects that we have completed throughout the history of our company.

### WASTEWATER PROJECTS

1. City of White Sulphur Springs – This project involved design and construction of a new 2.5 Million Gallon per Day (MGD) Vertical Loop Reactor (VLR) at the existing wastewater treatment site. Project construction began October 2009. This \$17 Million project was completed in 2011.
2. City of Dunbar - Project involved replacement of the existing Trickle Filter Plant by a 2.25 MGD VLR Plant. Project also included 45,600 ft. of storm and sanitary sewers, rehabilitation of sanitary sewers and rehabilitation of nine (9) sewage-pumping stations. This project was entirely funded through SRF loan funds. Construction of this \$17 Million project was substantially completed in January 2001. The Dunbar facility won the EPA Region III O&M Excellence Award in 2002, WV DEP Outstanding Plant Award in 2004 and US EPA Nation Award 1<sup>st</sup> place for 1 MGD to 10 MGD Facilities.
3. Town of Barrackville – Phase 3 – Located in Marion County, this is a combined sewer community. This project involved separation of storm and sanitary sewers and upgrading existing pump stations. This \$5.0 Million project has been completed and this three-phase project utilized IJDC grant, SCBG Grant and SRF loan.
4. City of Dunbar – Finalized in late 2015, this project consisted of \$12 Million to separate storm and sanitary sewers in the downtown area and rehabilitate existing sanitary sewers in the Roxalana areas of the city. Project also included a new sewage-pumping station at 25<sup>th</sup> Street. This project was entirely funded through SRF loan funds.

5. City of Follansbee - Project involved upgrade of an existing 0.5 MGD extended aeration sewage treatment plant to increase treatment capacity to 1.6 MGD. Design of this project included two new oxidation ditches with boat clarifiers, conversion of existing plant to aerobic digesters, chlorine disinfection and installation of new belt filter press to dewater sludge. Construction of this project was completed in 2000.
6. Bradley PSD - Project involved replacement of an aging Oxidation Ditch wastewater treatment plant by a 1.0 MGD Sequencing Batch Reactor (SBR) treatment plant. Construction of this \$8 Million project was completed in 2005.
7. Town of Pratt - This project involved a new .35 MGD SBR treatment plant and conversion of existing plant to aerobic digester to provide capacity to treat the wastewater from the Upper Kanawha Valley PSD. Construction of this project was completed in late 2000.
8. Upper Kanawha Valley PSD - This \$10 Million sanitary sewer collection project involved serving 928 users in Paint Creek, London, Hugheston and Hansford areas of eastern Kanawha County. Project also involved a Kanawha River crossing and nine (9) sewage-pumping stations. This project was primarily funded through IJDC grant and loan funds. Construction of this project was substantially completed in December 2000.
9. Kanawha Falls PSD - Rehabilitation and upgrade of Kanawha Falls wastewater treatment plant to add a belt filter press, new head works, and increase the capacity of their conventional extended aeration plant by 50% to 1.8 MGD. This \$3.5 Million project was completed in 2004.
10. Southern Jackson County PSD - Project involved a Small Diameter Gravity Sewer System and a Facultative Lagoon Sewage Treatment Plant for the Fairplain and Kenna area of Jackson County. This \$3 Million project started in December 1995. The Kenna extension was completed in 2003. The Southern Jackson County PSD Treatment Plant won the WV DEP Performance Award in 2004.
11. Towns of Marmet and Chesapeake - Project included renovations of five existing pumping stations, and design of a new .6 MGD sewage treatment plant including an intra-channel clarifier. Construction of this project was completed August 1990. This was the first Oxidation Ditch Treatment Plant with the BMTS Clarifier technology in the State.

## WATER PROJECTS

During our history, Ghosh Engineers, Inc. has successfully completed many water projects involving:

- a. Design of new water treatment plants – both surface and ground water sources.
- b. Design of new water booster stations, bolted or welded water storage tanks.
- c. New water distribution systems.

Below are a few examples of some of the more significant systems that we have been involved with:

City of White Sulphur Springs - Ground water treatment plant and system-wide water line rehabilitation, new water storage tanks. Installation of system-wide radio-read water meters. Project was funded through grant and loan from Drinking Water Treatment Revolving Fund (DWTRF). The total project cost was \$12 Million and completed in 2014.

Town of Beverly – This project involves refurbishing their existing 300 Gallon Per Minute (GPM) surface water treatment plant and installation of new water lines, booster, and tanks. Construction of this \$5 Million project was completed in 2014.

## CURRENT WORKLOAD

West Dunbar PSD – Located in Kanawha County. Project involves separation of storm and sanitary sewers and rehabilitation/replacement of six (6) sewage-pumping stations. This project was funded by SRF program with a \$2 Million grant and \$5.5 Million loan. The project is now in final design and will be completed by August 2016.

Hancock County PSD – This project involves a new sanitary sewer collection system serving 220 users along the US 30 between Chester and the WV/PA state line. The design of this project has been completed and submitted to DEP for SRF funding.

City of White Sulphur Springs – By the middle of 2015, the design of a project to add Enhanced Nutrient Removal (ENR) at the existing wastewater treatment plant had been completed. This project was necessary in order to meet the more stringent requirements of the City's NPDES permit, which lowered the effluent limit for phosphorus from 5 mg/l to 1 mg/l during the months of April to October. This project is funded through a grant from "Chesapeake Bay Funding program" and SRF Loan. Project has been bid and is in the process of being awarded.

## CLIENTS AND REFERENCES

1. City of White Sulphur Springs  
Lloyd Haynes, Mayor (304) 536-1454
2. Elk Valley PSD  
Tim Chapman, Manager (304) 965-1676
3. City of Dunbar  
Terry D. Greenlee – Mayor (304) 766-0222
4. City of Richwood  
Robert Johnson, Mayor (304) 846-2596
5. Town of Barrackville  
David Tonkin, Mayor (304) 366-9372
6. City of Follansbee  
John DeStefano, City Manager (304) 527-1330  
Rudy Cipriani - Ex-Mayor (304) 797-2359
7. Town of Beverly  
David Harper, Mayor (304) 636-5360
8. Hancock County Commission  
Jeff Davis, Commissioner (304) 564-3311
9. Boone-Raleigh PSD  
Carrie Lou Jarrell – Chairman (304) 584-0584

## **PROJECT TEAM**

**Paul Ghosh, P.E. - President**

**Kennon Chambers, P.E. – Vice President**

**Ronald Fisher –Construction Manager / Designer**

**James Charley - AutoCADD /Designer**

**Bryan Slater - AutoCADD**

**Gordon Priestley – Field Technician**

**Robert Flack – Field Technician**

## PROFESSIONAL QUALIFICATIONS

Name: Paul Ghosh, P.E.

**Educational  
Qualifications:**

B.S. in Civil Engineering  
Calcutta University  
Calcutta, India

M.S. in Civil Engineering  
West Virginia College of Graduate Studies  
Charleston, West Virginia

Registration: Registered Professional Engineer  
May 1979 - Number [REDACTED]  
West Virginia

Society Registration: American Society of Civil Engineers, ASCE  
Water Pollution Control Federation, WPCF

Experience: 1972 - 1974

Geotechnical Engineer for Site Engineers, Inc., Montclair, New Jersey

1974 - 1983

Regional Development Authority, Kanawha County Commission

Conceptual development and design of water and sewer systems, feasibility analysis, preparation of budget and rate structure and coordination with consulting engineers, PSD, municipalities, EPA and State Regulatory Agencies (including PSC, DNR, Dept. of Health and Highways). Assist local governments in matters concerning water and sewer problems including preparation of applications for funding (HUD, ARC, and FmHA etc.).

Highlights:

- 1) Design of water extension systems for Pratt, Sissonville PSD, Guthrie PSD, Washington PSD and Cabin Creek of Chelyan PSD.
- 2) Involvement in 14 water and 9 sewer projects.
- 3) Conducting PSD Seminars.

1982 - Present

Founded Ghosh Engineers, Inc. and made the corporation grow to its present size. During the past thirty-four years, designed numerous water and sewer projects involving a total construction cost of approximately \$80 million.

1983 - 1987

Assistant Professor of Civil Engineering at West Virginia Institute of Technology.



## PROFESSIONAL QUALIFICATIONS

Name: Kennon T. Chambers, P.E.

Educational  
Qualifications: B.S. Civil Engineering  
WV Institute of Technology  
Montgomery, West Virginia

Registration: Registered Professional Engineer  
West Virginia, Kentucky and Virginia

NCEES Record Established

Model Law Engineer as determined by NCEES

Experience: 2015 - Present:

Vice President  
Ghosh Engineers, Inc.

2014 - 2015:

Project Manager  
Hatch Mott MacDonald – Charleston, West Virginia

Responsible for various water system projects for the largest private water utility in WV, projects including chemical feed, booster stations, water storage tanks, and transmissions/distribution systems.

2007 – 2014

Civil/Environmental Manager, Project Manager  
Chapman Technical Group – St. Albans, West Virginia

Responsible for all aspects of water and wastewater system projects from obtaining funding, design, construction administration to project closeout, projects including treatment, pumping stations, water storage tanks, and collection or distribution systems, including management of staff on project.

March 2007 – October 2007

Facilities Engineer  
National Radio Astronomy Observatory – Green Bank, West Virginia

Responsible for managing staff in order to maintain all buildings and grounds of 2,700-acre site for scientific research and associated construction projects.

2002 – 2007

Project Engineer  
Chapman Technical Group – St. Albans, West Virginia

Design of water and wastewater system projects.

1998 – 2002

Project Engineer  
Taylor & Striegel, Inc. – South Charleston, West Virginia

Estimating and project management of many underground utility construction projects throughout West Virginia.

**Professional  
Highlights:**

Water Treatment and Distribution  
Wastewater Treatment and Collection  
Erosion and Sediment Control  
Lift Station Design  
Hydraulic Modeling using WaterCAD  
AWWA Chapter member in WV and Kentucky/Tennessee  
AMR/AMI Systems  
WEA/WEF Member  
Chapman Technical Group Employee of the Year for 2004

## PROFESSIONAL QUALIFICATIONS

**Name:** Ronald L. Fisher

**Education:** Sissonville High School  
Sissonville, WV  
Industrial Arts Curriculum

**Experience:** 6/99 to present

Ghosh Engineers, Inc. Charleston, WV

Field/Construction Manager

Construction Inspector for Water Distribution, Wastewater Collection, &  
Wastewater Treatment Facilities

Southern Jackson Co. PSD – Kenna Sewer Extension

City of Follansbee Wastewater Treatment Plant

City of Dunbar Wastewater Treatment Plant

Town of Pratt Wastewater Treatment Plant

Upper Kanawha Valley PSD Wastewater Collection System

City of Smithers Wastewater System Improvements

Kanawha Falls Wastewater System Improvements

Bradley PSD Wastewater System Improvements

City of Kenova Water System Improvements

City of Kenova Wastewater System Improvements

Elk Valley PSD Wastewater System Improvements

Town of Marmet

City of White Sulphur Springs

City of Richwood

Town of Barrackville

Town of Beverly

3/99 to 6/99

Lawson Engineering & Technical Services Beckley, WV  
Construction Inspector

North Beckley PSD Wastewater Treatment Plant

7/95 to 2/99

Dunn Engineers, Inc. Charleston, WV

Construction Inspector for Water Distribution, Wastewater Collection,  
and Wastewater Treatment Facilities

Chestnut Ridge PSD Waterline Extension

Barbour County Wastewater Treatment Plant Improvements

Sewer Collection Improvements, and 21 St Slide Correction, Nitro, WV.

Guthrie PSD Waterline Extensions, Kanawha Co.

Midway Sewer Collection System, Raleigh Co.

7/92 to 1/95

Jimmy Dunn Excavating, Sissonville, WV

Heavy Equipment Operator

Laborer in General Construction Field

Site Preparation

Water and Wastewater Systems

## PROFESSIONAL QUALIFICATIONS

Name: James W. Charley

Educational  
Qualifications: B.S. in Industrial Technology  
WV State University  
Institute, West Virginia

Experience: 1976 - 1984

Civil/Architectural Drafting Technician

Milam Engineering Company, Consulting Engineers, Dunbar, West Virginia; Advanced Industrial Design Engineers (Client: Borq/Warner Chemicals) Parkersburg, West Virginia; Milam/BCM Engineering, Inc., Dunbar, West Virginia

Production of working drawings (Civil and Architectural), construction details and designs. Design experience includes floor plans, electrical, plumbing and site layouts, as well as estimating.

1984 - 1985

Manager of Construction Services

Hissom and Associates, Spring Hill, West Virginia

Field experience includes construction inspection and surveying.

1985 - 1988

Civil/Architectural Draftsman CADD

A. E. Associates Ltd., Charleston, West Virginia

Production of working drawings (Civil and Architectural), construction details and design.

1988 - 1990

Designer/Drafter

Consolidated Construction Services, Inc., Nitro, West Virginia

Production of working drawings, construction details and designs. Used DesignBid CADD System.

1990 - 1991

Applications Engineer

Integrated Computer Solutions, Inc., State College, Pennsylvania

Instruction and demonstration of various CADD software programs and related hardware.

1992 - Present

Engineering Technician/Designer

Ghosh Engineers, Inc., Charleston, West Virginia

Production of Civil and Architectural working drawings for construction of water and wastewater treatment systems.

CADD software includes AutoCAD Civil 3D and Sketchup Pro. Microsoft software products include Excel, Word, and PowerPoint. Other software packages include Photoshop, Adobe Acrobat Pro, Google Earth, GIMP, and Inkscape.

Field experience includes construction inspection and surveying.