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REQUEST FOR PROPOSALS (RFP)

INSTALLATION OF TIDEFLEX CHECK VALVES

1. INTRODUCTION

Guyana Shore Base Inc. hereby invites qualified and experienced bidders to submit proposals for **INSTALLATION OF TIDEFLEX CHECK VALVES** at designated canal outfalls at Guyana Shore Base Inc., Houston, East Bank Demerara.

2. SCOPE OF WORK

The contractor shall provide all supervision, qualified labor, tools, materials, consumables, plant, lifting equipment, access equipment, temporary works, water-management measures and personal protective equipment required for safe and complete installation, except for items specifically identified as GYSBI-supplied.

The Red Valve Tideflex Series TF-1 eccentric duckbill check valves, flanged type, will be installed at the designated canal outfalls located at GYSBI's Main Base and Annex locations. These valves will be connected to existing corrugated High-Density Polyethylene (HDPE) outfall pipes to prevent backflow into the upstream drainage system during high canal levels.

Work is expected to be performed from the canal bank, dry canal bed, or an approved floating or fixed work platform during a planned low-water period. The contractor shall verify site conditions and select a safe method that accounts for changing water levels, unstable ground, limited access and active shore-base operations.

Valve quantities, sizes, locations, invert elevations and final installation details will be confirmed by GYSBI. The bidder shall provide a unit price per installation and clearly identify any quantity-related assumptions.

3. CONTRACTOR RESPONSIBILITIES

- Provide competent supervision, qualified installers and personnel experienced in HDPE pipe connections, flange assembly, rigging and work adjacent to open waterways.
- Provide all tools, measuring equipment, pipe-cutting and cleaning equipment, drilling equipment, torque wrenches, soft lifting slings, work platforms, pumps or diversion equipment, temporary supports and normal consumables.
- Provide the custom flange adapter or mechanical connection, internal pipe stiffener, manufacturer-approved full-face elastomeric gasket, 316 stainless steel bolts, wide backing



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washers, nuts and other installation hardware unless expressly identified as GYSBI-supplied in the purchase order.

- Provide suitable mobile plant or lifting equipment and certified rigging required to transport and lower the valve assembly into position. All equipment shall be appropriate for the ground conditions, access constraints and lifting radius.
- Provide a safe, stable and adequately anchored floating or fixed work platform where work cannot be completed safely from the bank or dry canal bed. Provide a boat and competent crew where required by the approved access or rescue plan.
- Provide all task-specific PPE, including approved lifejackets or personal flotation devices when exposed to a fall into water, fall protection where applicable, gloves, eye and hearing protection, chemical protection and tool-drop prevention.
- Protect the canal, drainage system, banks and adjacent operations from silt, wash water, fuel, lubricants, cuttings, debris and dropped objects. Recover and properly dispose of all waste.
- Coordinate daily with GYSBI Operations and HSE regarding access, water-level conditions, drainage requirements, exclusion zones, mobile-plant movements and work windows.

4. HSE AND SITE ACCESS REQUIREMENTS

- Submit a project safety plan, water-rescue plan, work plan or method statement, Job Safety Analysis (JSA), SLAM documentation, lifting plan and temporary-access or work-platform plan covering the complete scope. Documents are subject to approval by the GYSBI HSE Manager before work begins.
- Ensure all contractor personnel complete GYSBI induction training before mobilizing to the worksite.
- Comply with the GYSBI Visitor Management System and all site access, security, environmental, HSE and operational requirements.
- Submit complete electronic work-permit applications at least one day before each planned working day. Permit approval remains subject to site conditions and does not relieve the contractor of its safety obligations.
- Conduct daily toolbox talks and SLAM or last-minute risk assessments before starting work and whenever water level, weather, access, lifting conditions or the work scope changes.
- Maintain a dedicated and immediately available water-rescue arrangement whenever personnel are working in the canal, from a platform or boat, or where a fall into water is possible. Rescue equipment and designated competent personnel shall be in position before work starts.
- Establish and maintain exclusion zones around lifting operations, unstable banks, open excavations, work platforms and discharge points. Prevent unauthorized entry and maintain safe access for GYSBI operations.



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- Inspect mobile plant, lifting equipment, rigging, electrical tools, platforms and access equipment before use and maintain current inspection or certification records as applicable.
- Stop work and notify GYSBI immediately if water levels become unsafe or if unstable ground, damaged pipe, unknown services, inadequate clearance, structural defects or conflicts with live operations are identified.

5. REFERENCE STANDARDS AND DOCUMENTS

- Tideflex Installation, Operation and Maintenance Manual applicable to the Series TF-1 flanged valve supplied for the project.
- Applicable ASTM D3261 requirements and Plastics Pipe Institute guidance for HDPE flange connections.
- Approved project drawings, including inverted elevations, clearance profiles and structural anchoring or connection details.
- Applicable occupational safety, lifting, environmental and waterway requirements and GYSBI procedures.

Where requirements differ, the contractor shall identify the conflict and obtain written directions from GYSBI before proceeding.

6. PHASE 1 - PRE-CONSTRUCTION AND MOBILIZATION

- Survey each outfall and record pipe outside and inside dimensions, corrugation profile and pitch, pipe condition, invert elevation, available clearance, canal-bed level, bank condition and access constraints.
- Confirm the exact Tideflex valve size, flange configuration, weight, center of gravity, required orientation and manufacturer-specified installation clearances.
- Verify that the proposed internal stiffener and custom flange adapter or mechanical connection are compatible with the existing corrugated HDPE pipe and the supplied valve.
- Review available canal-level or tidal information and agree the low-water installation window with GYSBI. The contractor remains responsible for monitoring actual conditions and maintaining safe egress.
- Locate known services and protect existing drainage, headwalls, banks, roadways and other assets before mobilizing plant or commencing cutting, excavation or anchoring.
- Submit product data, fabrication details, dimensions, materials, lifting and handling requirements, bolt sizes, torque values and installation instructions for approval before fabrication or installation.



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7. PHASE 2 - PIPE PREPARATION AND FLANGE ADAPTER ASSEMBLY

- Implement the approved water-management and access arrangement. Dewatering or diversion shall not damage the drainage system, erode the canal bank or create uncontrolled discharge.
- Inspect the exposed HDPE pipe end. Squarely trim damaged or uneven pipe and extend the pipe where required by the approved design or installation detail.
- Power-wash and mechanically clean all internal and external corrugations within at least 24 inches of the pipe terminus to remove silt, biological growth and debris. Prevent wash water and removed material from entering the canal uncontrolled.
- Install a stainless steel or approved heavy-wall SDR HDPE internal pipe stiffener to prevent compression or deformation under flange clamping and anticipated backpressure loads.
- Install and secure the approved mechanical joint flange adapter to the corrugated HDPE pipe. Set the backing ring bolt holes straight, level and in the required orientation.
- Verify that the pipe remains round, supported and free from visible distress after the adapter and stiffener are installed.

8. PHASE 3 - VALVE INSTALLATION AND TORQUE ALIGNMENT

- Inspect the valve before lifting and protect the elastomer throughout transport, rigging and installation.
- Rig the valve only with approved soft nylon lifting slings positioned in accordance with the manufacturer's requirements. Chains, wire-rope slings and steel cables shall not contact the elastomer.
- Lower and control the assembly using the approved lifting equipment and lifting plan. Use taglines where appropriate and keep personnel clear of suspended loads and pinch points.
- Place the manufacturer-approved full-face elastomeric gasket between the valve flange and HDPE flange adapter.
- Align the valve plumb with its flat bottom facing downward and parallel to the canal bed and with the bill split oriented vertically, unless the manufacturer-approved project detail states otherwise.
- Install lubricated 316 stainless steel bolts with wide backing washers, nuts and any other manufacturer-required hardware. Confirm that bolt length and washer arrangement provide full engagement without damaging the HDPE flange or valve.
- Snug and tighten bolts sequentially in a crisscross star pattern in three increments of approximately 30%, 60% and 100% of the manufacturer's final specified torque.
- Use a calibrated torque wrench and record the final torque for each bolt. Stop and obtain direction if cracking, bending, uneven compression, pipe deformation or valve misalignment is observed.



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9. PHASE 4 - TESTING, REINSTATEMENT AND CLOSEOUT

- Verify that the flat-bottom elastomer bill has the minimum manufacturer-required clearance above the canal bed throughout its opening path.
- Remove loose mud, riprap or other obstructions beneath and immediately in front of the valve without undermining the pipe, headwall or bank.
- Manually flex the bill, where permitted by the manufacturer, to confirm free movement and unimpeded elastic closure.
- Inspect the backing ring, flange, gasket, bolts, washers, pipe and stiffener for tightness, even compression, alignment, leakage, visible stress and deformation.
- Conduct any manufacturer-required functional, leakage or retorque checks and record the results. Re-torque shall only be performed at the interval and value required by the approved manufacturer's instructions.
- Remove temporary work, platforms, pumps, waste, tools and materials. Reinstate and stabilize any disturbed canal bank, bed, headwall or access area to GYSBI's satisfaction.
- Submit the completion dossier and obtain GYSBI acceptance before the installation is placed into service.

10. GYSBI RESPONSIBILITIES

- Identify the valve locations and provide available drawings, invert information and relevant site or water-level information.
- Provide the Tideflex Series TF-1 valves unless otherwise stated in the final purchase order. The contractor shall verify supplied items before mobilization.
- Coordinate site access and interfaces with GYSBI HSE and Operations and review contractor submittals.
- Identify known underground or site services based on available records; the contractor remains responsible for field verification before intrusive work.
- Witness agreed, hold points, inspections and functional checks and provide acceptance or comments.

11. QUALITY AND ACCEPTANCE REQUIREMENTS

- Submit an inspection and test plan identifying hold points for survey verification, adapter/stiffener approval, pipe preparation, pre-lift inspection, valve alignment, staged bolting, final torque, clearance and functional testing.
- Provide manufacturer's data sheets, installation instructions, material certificates and fabrication details for all contractor-supplied connection components and hardware.
- Use calibrated measuring and torque equipment and provide current calibration evidence.



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- Do not modify the valve, pipe, headwall, canal bank or approved connection arrangement beyond the approved scope without written authorization from GYSBI.
- Photograph each location before work, after pipe preparation, after stiffener and adapter installation, during rigging and alignment, after final bolting and after reinstatement.
- Submit a completion dossier for each valve, including location, installation date, personnel, survey measurements, product and material records, photographs, bolt-torque record, clearances, test results, defects or deviations and GYSBI acceptance record.

12. BIDDER SITE VISIT AND CLARIFICATIONS

Bidders are responsible for inspecting the locations and confirming access, dimensions, lifting reach, ground conditions, low-water constraints and required temporary works. All assumptions, exclusions, required outages, proposed deviations and GYSBI support required shall be clearly stated in the proposal.

13. REQUIRED PROPOSAL INFORMATION

- Detailed technical proposal and method of execution covering survey, water management, access, pipe preparation, connection design, lifting, valve alignment, bolting, testing and reinstatement.
- Itemized commercial proposal showing mobilization, unit price per valve installation, custom adapter and stiffener costs, hardware, temporary works, lifting equipment, testing, reinstatement, applicable taxes and separately priced options.
- Project schedule showing submittals, fabrication lead time, mobilization, planned low-water windows, duration per valve and total duration.
- Product details and preliminary drawings for the proposed stiffener, flange adapter, gasket and fastening system.
- Organization chart, supervisor and key personnel qualifications, equipment list and evidence of similar HDPE, valve, canal or waterway installations.
- Safety statistics and draft safety, rescue, lifting and work plans are sufficient to demonstrate the proposed approach.
- List of assumptions, exclusions, proposed deviations and GYSBI support required.
- Payment terms and conditions and warranty for workmanship and contractor-supplied materials.

14. EVALUATION CRITERIA

- Technical approach, proposed connection system, relevant experience, equipment and personnel qualifications (30%)
- HSE performance, water-rescue arrangements, lifting controls and quality of safety submissions (25%)



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- Project schedule, fabrication lead time and ability to work within low-water windows (20%)
- Cost-effectiveness and value for money (15%)
- Local Content (10%)

15. REQUIREMENTS FOR RFP SUBMISSION DETAILS

- **Date published:** October 19th, 2026
- **Deadline for Submission:** November 19th, 2026

All submissions must be provided as separate PDF documents, as outlined below:

- **Document Attachments** - All submissions must be provided as **separate PDF documents**, as outlined below:
 - **Supplier Business Documents** – Certificate of Incorporation/Business Registration, Local Content Certificate (or proof of application/intention to obtain one). If no LC Certificate is available, please provide details of the company's ownership structure, GRA & NIS compliances, as well as Relevant trade, lifting, equipment and safety certifications.
 - **Technical Proposal** – Required for **RFP** tenders.
 - **Commercial Quotation** – Required for **RFP and RFQ** tenders. Each cost must be presented as a separate line item, such as Item(s) Cost, VAT, Freight/Other Charges, and Transportation/Delivery, etc.
 - **Specification Sheet(s)**: Suppliers are required to provide specification sheet(s) where applicable.
- **Vendor Prequalification Assessment** – As part of the tender process, suppliers are required to complete **GYSBI's Vendor Prequalification Form** using the following link: **SC-FO-011-B: [GYSBI Vendor QHSE Pre-qualification Survey Form B](#)**
- **Submission & Clarifications**
 - **Proposals shall be submitted by email to: tenders@gysbi.com with the subject line:**

RFP INSTALLATION OF TIDEFLEX CHECK VALVES

- **Clarifications & Queries:** All inquiries must be directed to the same email address listed above.



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16. DISCLAIMER

Guyana Shore Base Inc. reserves the right to accept or reject any submission at its sole discretion and to proceed with the procurement in any manner it deems fit.

We look forward to receiving your RFP and working with capable suppliers to successfully satisfy our requirements.

Issued by:

GUYANA SHORE BASE INC. (GYSBI)

October 19th, 2026