



COOPERATIVE PURCHASING PROGRAM
Houston-Galveston Area Council of Governments
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INVITATION TO SUBMIT COMPETITIVE:

BIDS

PROPOSALS

INVITATION No.: **CM02-17**

ISSUE DATE: **September 1, 2016**

CATEGORY: **Portable Construction & Maintenance Equipment**

PURPOSE OF THIS INVITATION

The Cooperative Purchasing Program (**HGACBuy**) of the Houston-Galveston Area Council of Governments is soliciting offerings for the furnishing of products/services as described herein. These products/services may be purchased by any of more than 7,000 member local governments, districts, agencies in 48 states across the nation.

Responses must be submitted in an original and one (1) copy, and shall be subject to the terms, conditions, requirements and specifications detailed in the documents comprising this Invitation. Responses are scheduled to be opened publicly at **H-GAC** offices on the date indicated. For Bid Invitations, responses will be available for public review until 4:00 p.m. CT that day, and on subsequent days by appointment only. Any Responses submitted later than 1:00 p.m. on the due date will be returned unopened to the bidder/proposer.

PROCUREMENT SCHEDULE & DETAILS

DRAFT SPECIFICATION / INVITATION:	July 21, 2016
PRE-BID/PROPOSAL CONFERENCE:	August 11, 2016
FINAL SPECIFICATION / INVITATION:	September 1, 2016
BID/PROPOSAL RESPONSES DUE:	September 29, 2016 @ 1:00 p.m. CT; H-GAC Clock
PUBLIC RESPONSE OPENING:	September 29, 2016 @ 2:00 p.m. CT; H-GAC Clock
RECOMMENDATIONS TO BOARD:	December 20, 2016
CONTRACT START DATE & TERM:	February 1, 2017 through January 31, 2019
The documents comprising this Invitation are available via web download at: https://www.hgacbuy.org/bids/	
For assistance regarding this Invitation, please contact:	
Name: Bill Burton	Phone: 832-681-2514 E-mail: wburton@h-gac.com

CONTENTS OF THIS INVITATION

SECTION A - General Terms & Conditions

SECTION B - Product/Service Specific Requirements & Specifications (Final)

SECTION C - **HGACBuy** *FORMS* (Final)

SECTION D - Pro-Forma (Sample) Contract

This procurement conforms to government requirements for Competitive Procurement.

LABELING OF SEALED RESPONSE PACKAGE

IMPORTANT:

You must affix an identifying label to the outside of your Sealed Response Package to ensure proper identification and log-in at **HGACBuy** offices on receipt. **HGACBuy** is not responsible for any response that might be lost or misdirected due to improper or unclear labeling. Your label should look as follows and should be affixed conspicuously to the package.

H-GAC Cooperative Purchasing
Sealed Bid/Proposal No. **CM02-17**
DO NOT OPEN IN MAIL ROOM

Responses by E-mail or FAX will not be acceptable. Hard copies, as described herein, plus appropriate electronic media are required.

NOTICE REGARDING NATIONWIDE SALES POTENTIAL

HGACBuy is conducting this procurement with the objective of establishing one or more blanket type contracts for use by our Members. Because our Members are located not only in Texas, but throughout the country, we strongly urge you to participate in the process at the corporate level. If you do not sell direct, your dealer network may still service customers while you handle the administrative functions of providing quotes, accepting purchase orders, and collecting payments. If this is not feasible, we will work with you to subsequently assign your contract to your dealers as necessary to service customers.

Whatever approach you choose to take, there is considerable potential sales value because **HGACBuy** is being used not only in the State of Texas, but **NATIONWIDE**. This means that **HGACBuy** contractors will have a special advantage available to them in promoting sales to government agencies throughout the country... the ability to sell products without the need for the buyer to duplicate the competitive bidding process and expend the associated staff time and taxpayer dollars. We believe an **HGACBuy** contract would enhance your competitive position in the government marketplace, and are eager to work with you to promote the best interests of our participating local governments and qualifying non-profit organizations.

We look forward to your participation in our process. Please contact the **HGACBuy** staff member listed on the cover of this Invitation for additional information.



SECTION A
GENERAL TERMS & CONDITIONS
FOR BIDS AND PROPOSALS

INVITATION NO. CM02-17

DESCRIPTION: Portable Construction & Maintenance Equipment

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1. INTRODUCTION

The Houston-Galveston Area Council (**H-GAC**) is a "Government-to-Government" procurement service for States, State Agencies, Local Governments, Districts, Authorities, and qualifying Not-for-Profit Corporations (**End Users**). End Users become **Members** of the **H-GAC** Cooperative Purchasing Program (**HGACBuy**) by executing an Interlocal Contract, which is free of cost and evergreen unless cancelled. **HGACBuy**, acting on behalf of **Members**, is soliciting competitive offerings for the furnishing of products and/or services, as described elsewhere, which MAY be purchased by **Members** during the contract term. **Members** using the Program issue purchase orders directly to **HGACBuy** contractors.

2. DEFINITIONS, ABBREVIATIONS & ACRONYMS

The following definitions, abbreviations and acronyms may be found in these specifications, and shall be interpreted herein as specified below.

Definitions and Abbreviations:

Acceptance. Acceptance takes place when the **End User** agrees with the **Contractor** that the terms and conditions of the contract have been met and verified. Acceptance is not the same as Receipt, and can only occur after intact shipping, inspection by **End User**, and any onsite testing that has been stipulated as part of the order

Aggregate/Single Occurrence. The term "*aggregate*" in insurance terms is the sum of all claims against a specific policy for a specific loss incident. The term "*single occurrence*" differentiates between multiple claims and single claims against a specific policy. The inherent value of a policy's aggregate value is less important to an **End User** than is the value of a single claim as stated under "*single occurrence*."

Approved. Acceptable to the "authority having jurisdiction."

ARO. "After Receipt of Order". Used in conjunction with a defined time period (usually days or weeks) to establish the delivery or lead time pursuant to any individual purchase transaction. In the case of orders for bodies which will be mounted on a customer furnished cab/chassis, the term ARO shall be construed to mean "After Receipt Of Cab/Chassis".

Authority Having Jurisdiction. The authority shall be either **H-GAC** or the relevant **End User** based on the requirements as stated in each specification item. Unless specifically stated, the authority shall be **H-GAC**.

Bidder. Any entity that submits a competitive bid to this Invitation. (See also "**Offeror**")

Change Order. Request by an **End User** for a change in the composition of an already submitted purchase order, for example to change quantity ordered, add or delete items, etc.

Contract. Specifically, a contract between **H-GAC** and a successful **Offeror** which is executed based on an award made pursuant this Invitation.

Contract Pricing Worksheet. The standard **H-GAC** form to be used by **Contractor** in preparing a quotation to an End User, upon which End User's purchase order will be based. **Contractor** may use another quotation form provided it contains required information, and only if approved by **H-GAC**.

Contractor. The contracted business entity responsible for fulfilling a contract executed pursuant to this Invitation.

Dealer/Distributor. A duly authorized and/or franchised business entity which sells and services a manufacturer's product in a specified marketing area.

Defect. A discontinuity in a part or a failure to function that interferes with the service or reliability for which the part was intended.

Electronic Media. As used herein, means computer based media such as 100mb Zip Disk, CDROM, e-mail, e-mail attachment, file downloaded from the web, etc.

End User. (See "**Participant**" and "**Member**")

Listed. Equipment or materials included in a list published by an organization, acceptable to the "Authority Having Jurisdiction" and concerned with product evaluation, that conducts periodic inspection of production of listed equipment or materials and whose listing states either that the equipment or materials meet appropriate standards or has been tested and found suitable for use in a specified manner. NOTE: The means for identifying listed equipment may vary for each organization concerned with product evaluation, some of which do not recognize equipment as listed unless it is also labeled. The "authority having jurisdiction" should utilize the system employed by the listing organization to identify a listed product.

Manufacturer. The person or persons, company firm, corporation, partnership, or other organization responsible for taking raw materials or components and making a finished product.

May. A term indicating a permissive use or an acceptable alternative to a specified requirement.

Member. An authorized Participant in the Program. (See "**Participant**" and "**End User**")

Motor Vehicle. The meaning of this term shall be based on the legal definition ascribed to it by the laws and/or regulations of the state in which any specific sale made pursuant to a Contract takes place.

Must. A term indicating a mandatory requirement.

Offer or Offering. Any product or service offered in reply to this Invitation.

Offeror. Any entity that submits a competitive bid or proposal in response to this Invitation. Bidder or Proposer.

Participant. Generally, any qualifying governmental or non-profit entity which has executed an Interlocal Contract for cooperative purchasing services with **H-GAC**.

Product Liability Insurance. Failure of Components and/or assembled equipment resulting in personal injury, disability or death and/or property damage is covered under the product liability insurance provisions.

Product or Product Item. Any of the specific goods, materials, equipment or service(s) specified in this Invitation. This term encompasses the base line item itself, and any and all accessories, options, modifications, ancillary services, assembly, testing, etc. that may be included in the delivered Product.

Proposer. Any entity that submits a competitive proposal in response to this Invitation. (See also "**Offeror**")

Purchaser. The **End User** having responsibility for the specification, requisition, ordering and acceptance of the Product or Service. (See also "**End User**")

Purchasing Authority. The agency that has sole responsibility and authority for negotiating, placing and, if necessary, modifying any solicitation, purchase order, or other award issued by a governing body [**H-GAC**].

Quotation. See "Contract Pricing Worksheet".

Receipt. Receipt takes place when a Product or Service is delivered to an **End User** and a document is executed that establishes that the Product is now in the possession of the **End User** or that the Service has been completed. Receipt DOES NOT connote or imply Acceptance.

Response. All or part of any offering submitted in response to this Invitation.

Shall. A term indicating a mandatory requirement or action.

Should. A term indicating a recommended or advised response to a specified requirement.

Vendor. A manufacturer's representative or dealer authorized to make sales and supply parts and service.

Acronyms:

ANSI = **A**merican **N**ational **S**tandards **I**nstitute

ASTM = **A**merican **S**ociety for **T**esting and **M**aterials

ASME = **A**merican **S**ociety of **M**echanical **E**ngineers

CFR = U.S. **C**ode of **F**ederal **R**egulations

DOJ = U.S. **D**epartment **O**f **J**ustice

DOT = U.S. **D**epartment **O**f **T**ransportation

EPA = U.S. Environmental Protection Agency
FAA = Federal Aviation Administration
FMVSS = U.S. Federal Motor Vehicle Safety Standards
H-GAC = Houston-Galveston Area Council of Governments
IEEE = Institute of Electrical and Electronics Engineers
MVD = Motor Vehicle Division of Texas Department of Transportation
NFPA = National Fire Protection Association
NHTSA = National Highway Traffic Safety Admistration
NIOSH = National Institute For Occupational Safety And Health
NIST = National Institute of Standards and Technology
NTEA = National Truck Equipment Association
OSHA = U.S. Occupational Safety and Health Admistration
RRC = Railroad Commission of Texas
SAE = Society of Automotive Engineers
TBPC = Texas Building and Procurement Commission (formerly GSC)
TxDOT = Texas Department Of Transportation
UL = Underwriter's Laboratories Inc.
VTCS = Vernon's Texas Civil Statutes

3. NON-BINDING ORAL COMMENTS

No oral comment, utterance or response made by any employee, member, or agent of **H-GAC** or any Member of the Cooperative Purchasing Program shall be considered factual or binding with regard to this Invitation, or any contract awarded as a result of this Invitation. Valid and binding terms, conditions, provisions, changes or clarifications, or requests thereof, shall **ONLY** be communicated written form.

4. STRUCTURE OF RESPONSE

Depending on the Product or Service, market structures and sales practices can differ substantially. For example, dealers may sell into any market or may be restricted to certain territories, manufacturers may sell direct or may be limited by law to selling thru independent dealerships, etc. **H-GAC's** objective is to ensure that **End Users**, no matter where located, can buy contracted products/services and receive quality and timely service and support, while at the same time allowing for the most appropriate and effective response to this Invitation. Therefore, responses to this Invitation will be accepted in conformance with the following scenarios and requirements:

A. Single Respondent Acting Alone Or As "Lead" For A Group:

Offeror shall complete and sign a **Form A** and, if contracted, shall be solely responsible for all contractual requirements including administration, processing of purchase orders and handling of payments for transactions which may involve other dealers who actually deliver the products or services.

B. Multiple Respondents Acting Jointly:

A single Response shall be submitted, and each party to the Response shall complete and sign a separate **Form A** to be included in the single Response. If the Response is successful each party shall sign a separate contract with **H-GAC** and shall be responsible for compliance with all terms and conditions. Only those which have executed a written contract with **H-GAC** may process purchase orders and payments.

In any event, Offeror may be a party to one, and only one, response.

5. BASIC REQUIREMENTS & CONDITIONS

- a. The final requirements and specifications contained herein may be different, perhaps materially, from those in the "Invitation To Attend Pre-Bid / Pre-Proposal Conference", if any. It is **Offeror's** sole responsibility to thoroughly examine and review all documentation associated with this Invitation, including any Addendums, and to insure that any response submitted complies in every respect with all requirements.
- b. Any Addendum to this Invitation which may be required prior to the Response due date will be delivered to those prospective Offerors of record who have previously obtained a copy of this Invitation from **H-GAC**. Prospective Offerors shall be responsible for obtaining all documents relating to submission of a Response.
- c. **Offeror** shall thoroughly examine any drawings, specifications, schedules, instructions and any other documents, supplied as a part of this Invitation, and is solely responsible for understanding and compliance.

- d. **H-GAC** shall not be liable for **Offeror's** incomplete documentation, or for any costs associated with preparation and submission of any Response hereto. Additionally, all components of any Response become the property of **H-GAC**, and shall be considered to be in the public domain.
- e. **Offeror** shall make all investigations necessary to become thoroughly informed regarding any plan and/or infrastructure that may be required to support delivery of any Product or Service covered by this Invitation. No plea of ignorance by **Offeror** stemming from failure to investigate conditions that may now or hereafter exist, shall be accepted as a basis for varying **H-GAC's** requirements, or **Offeror's/Contractor's** obligations or entitlements.
- f. Requests for changes to the requirements or specifications herein must be in writing (e-mail, fax, letter) and must be received by **H-GAC** no later than fifteen (15) calendar days prior to the Response Due Date. **H-GAC** will review such requests, but may or may not make changes at its sole discretion. Changes, if any, will only be made by written Addendum sent to addressees of record. In any event, it is **Offeror's** sole responsibility to insure that any and all Addendums which may have been issued have been received and addressed.
- g. By submission of a response, **Offeror** expressly understands and agrees that all terms and conditions herein will be part of any subsequent contract that is executed pursuant to this Invitation.
- h. **Offeror** is advised that all **H-GAC** contracts are subject to the legal requirements established in any applicable Local, State or Federal statute.
- i. **Offeror/Contractor** must be in compliance with all licensing, permitting, registration and other applicable legal or regulatory requirements imposed by any governmental authority having jurisdiction. It is **Offeror/Contractor's** responsibility to insure that this requirement is met, and to supply to **H-GAC** upon request, copies of any license, permit or other documentation bearing on such compliance.
- j. Unless otherwise established elsewhere in this Invitation, NO minimum purchase quantities or spending levels are provided or guaranteed by **H-GAC** or any **End User**.
- k. This Invitation is not meant to restrict competition, but rather is intended to allow for a wide range of responses.
- l. Responses which are 'qualified' with conditional clauses or alterations of or exceptions to any of the terms and conditions in this Invitation may be deemed non-compliant at **H-GAC's** sole discretion.
- m. The term '**Offeror**', or derivative thereof, shall become synonymous with '**Contractor**' for any successful **Offeror** recommended for a contract pursuant to this Invitation.
- n. **H-GAC** reserves the right to:
- Reject any and all offers received in response to this Invitation.
 - Reject any part of an offer received in response to this Invitation.
 - Determine the correct price and/or terminology in the event of any discrepancies in any response.
 - Accept a response from, and enter into agreement with, other than the lowest price **Offeror**.
 - Accept responses and award contracts to as many or as few **Offerors** as **H-GAC** may select.
 - Amend, waive, modify, or withdraw (in part or in whole) this Invitation, or any requirements herein.
 - Hold discussions with **Offerors**, although award may be made without discussion.
 - Request an **Offeror** to give a presentation of the Response at a time and place scheduled by **H-GAC**.
 - Exercise any of these rights at any time without liability to any **Offeror**.
- o. **H-GAC** reserves the right to determine that conditions exist which prevent the public opening of responses on the date and at the time advertised, and to reschedule the public opening for a future date and time. Responses received by **H-GAC** by the original deadline will be secured unopened until the rescheduled opening date and time, and those having timely submitted such responses will be notified.

6. OFFEROR'S AUTHORIZED SIGNATORY

The signatory shall be authorized to sign and contractually bind **Offeror**, and shall sign any and all Response documentation requiring a signature.

7. SURETY FOR INSURANCE

Contractor shall be responsible for using a surety company properly licensed by any and all states in which Contractor will do business with Participants. The surety company shall not expose itself to any loss on any one risk in an amount exceeding ten percent (10%) of its surplus to policy holders, provided any risk or portion of any risk shall have been reinsured, and such reinsurance shall be deducted in determining the limitation of risk applicable to **H-GAC's** insurance requirements.

8. CONFIDENTIAL / PROPRIETARY MATERIALS

All documentation submitted as part of **Offeror's** response to this Invitation will be considered to be in the public domain and may be made available to Members and others, after contract award, upon properly submitted request. If **Offeror** submits documents marked “confidential” or “proprietary”, the Response may be deemed non-compliant.

9. REFERENCES

- a. **Offeror** shall list the names of at least five government agencies within the continental United States which have purchased from **Offeror** products or services similar to those covered by this Invitation, within the last two years. **H-GAC** reserves the right to determine if such products or services are appropriately similar.
- b. **Offeror** may provide reference information in whatever format desired, but each should include the following specific information:
 - Agency name
 - Contact person name
 - Address
 - Phone & Fax numbers
 - Description of product(s) or service(s) and date sold
- c. Other information, including criticism however learned, may be used by **H-GAC** in evaluation of responses.

10. INSURANCE

- a. Unless otherwise stipulated in Section B, **Offeror/Contractor** must have the following insurance and coverage minimums:

General liability insurance with a Single Occurrence limit of at least \$1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit.

Product liability insurance with a Single Occurrence limit of at least \$1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit for all Products except Automotive Fire Apparatus. For Automotive Fire Apparatus, see Section B – Product Specific of this Invitation.

Property Damage or Destruction insurance is required for coverage of **End User** owned equipment while in **Contractor's** possession, custody or control. The minimum Single Occurrence limit is \$500,000.00 and the General Aggregate limit must be at least two times the Single Occurrence limit. This insurance may be carried in several ways, e.g. under an Inland Marine policy, as part of Automobile coverage, or under a Garage Keepers policy. In any event, this coverage must be specifically and clearly listed on insurance certificate(s) submitted to **H-GAC**.
- b. Insurance coverage shall be in effect for the length of any contract made pursuant to this Invitation, and for any extensions thereof, plus the number of days/months required to *deliver* any outstanding order after the close of the contract period.
- c. Original Insurance Certificates must be furnished to **H-GAC** on request, showing **Offeror/Contractor** as the insured and showing coverage and limits for the insurances listed above.
- d. If any Product(s) or Service(s) will be provided by parties other than **Offeror/Contractor**, all such parties are required to carry the minimum insurance coverages specified herein, and if requested by **H-GAC**, a separate insurance certificate must be submitted for each such party.
- e. **H-GAC** reserves the right to contact insurance underwriters to confirm policy and certificate issuance and document accuracy.

11. OFFEROR CERTIFICATIONS

Offeror, by submission of a Response hereto, makes the following certifications under penalty of perjury and possible contract termination if any of these certifications are found to be false.

Non-Collusive Response

- a. The prices in the Response have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other **Offeror** or potential competitor.

- b. The prices which have been quoted in the Response (unless otherwise required by law), have not been knowingly disclosed by **Offeror** and will not be knowingly disclosed by **Offeror** prior to the public response opening, either directly or indirectly, to any other **Offeror** or competitor.
- c. No attempt has been made or will be made by **Offeror** to induce any other person, partnership or corporation to submit or not to submit a response for the purpose of restricting competition.

Non-Biased Specifications

This Invitation contains no requirements considered to be unduly biased in favor of **Offeror** or any other **Offerors** that may be competing for this procurement.

No Financial Interest or Other Conflict

- a. No **H-GAC** officer, employee, Board of Directors member or member of any **H-GAC** board or commission, nor family member of any such person, has a financial interest, direct or indirect, in **Offeror** or in any contract **Offeror** might enter into with **H-GAC**.
- b. No economic or employment opportunity, gift, loan, gratuity, special discount, trip, favor or service has been, or will be, offered or given to any officer, employee, Board of Directors member, or member of any **H-GAC** board or commission, nor to any family member of any such person.

Debarment and Suspension Status

- a. **Offeror** is not currently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any government agency, nor is **Offeror** an agent of any person or entity that is currently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transaction by any government agency.
- b. **Offeror** has not within a three year period preceding this Invitation been convicted of or had a civil suit judgement rendered against **Offeror** for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or performing a public transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statement, or receiving stolen property.
- c. **Offeror** is not presently indicted for or otherwise criminally or civilly charged by a government entity (federal, state, or local) with commission of any of the offenses enumerated above.
- d. Offeror has not, within a three year period preceding this Invitation, had any government (federal, state, or local) transactions terminated for cause or default.

Insurance Coverages

Offeror has and will maintain insurance coverage in accordance with the requirements of this Invitation.

Licensing & Permits

Offeror(s) has (have) all licenses and/or permits, required by any and all governmental entities having jurisdiction, to legally sell the products/services offered.

12. HISTORICALLY UNDERUTILIZED BUSINESS (HUB) PARTICIPATION

- a. To satisfy Texas' statutory requirements [Government Code, Chapter 2161, Subchapter D], **H-GAC** requires all **Offerors** to supply information in any bid/proposal response listing (1) the total number of subcontracts and (2) the total number of HUB contracts applicable to the Products or Services offered in the response. Local governments often require this information for their own reporting requirements prior to placing orders through the **H-GAC** Cooperative Purchasing Program.
- b. **Offeror** must complete **Form B** and include subcontracts with HUB's that provide any materials or services related to sales that may be made thru **H-GAC's** Cooperative Purchasing Program.

13. NON-RESIDENT RECIPROCAL SALES ACT

As required by Texas Civil Statutes in the award of contracts, an offeror which is not a Texas resident business must determine if its state of residence prohibits award of government contracts to Texas resident offerors without penalty. If **Offeror's** resident state DOES penalize Texas offerors, **Offeror** must provide this information along with a copy of its applicable resident state's statute in the Response.

14. TEXAS MOTOR VEHICLE COMMISSION CODE & LICENSING

Sales of motor vehicles in the State of Texas are subject to the Texas Motor Vehicle Commission Code. If this Invitation includes any motor vehicle to be sold in the State of Texas, **Offeror** certifies by submission of a response hereto that all required Texas Motor Vehicle Commission licenses are in place and current, and that copies of all such licenses **have been submitted with the Response**. Further, it shall be **Contractor's** responsibility to keep current all required Texas Motor Vehicle Commission licensing during the term of the contract, and to furnish license copies at any time on request by **H-GAC**. If **Contractor** does not maintain current licensing, **H-GAC** reserves the right to immediately terminate the contract.

<p>NOTE: In accordance with the Texas Motor Vehicle Commission Code, contracts for motor vehicles to be sold within the state of Texas may be made ONLY with properly licensed Texas Motor Vehicle Dealers. Therefore, to be considered for a contract covering Texas End Users, the Response must include a Form A from a licensed Texas Motor Vehicle Dealer</p>

15. INTENT AND SCOPE OF SPECIFICATIONS

- a. The intent of the specifications herein is to provide **Offeror** with sufficient information concerning the Products/Services to be contracted such that **Offeror** can prepare and submit an acceptable Response.
- b. The specifications may be detailed or general in nature with regard to any particular Product/Service. Where not otherwise specified, details of construction, materials, or the way in which services will be provided, are left to the discretion of the **Offeror**, provided only that any offering shall conform, as a minimum, to best Industry standards and practices and to what is currently being sold in the marketplace.
- c. Responses shall be considered only from **Offerors** that have established good reputations in their markets, and who furnish satisfactory evidence of ability to supply the Products/Services specified herein.
- d. **Offeror** shall show proof of ability to provide to **End Users** prompt and competent service, including parts if applicable, for all Products/Services covered by this Invitation, by proper completion of a Service Organization Document as described elsewhere herein.

16. REQUIREMENTS APPLICABLE TO PHYSICAL GOODS

In the case of physical goods (e.g. equipment, material, supplies, as opposed to services), all Products offered must, unless otherwise stipulated in Section B:

- a. Be new, unused, and not refurbished.
- b. Not be a prototype insofar as the general design, operation and performance. This requirement is NOT meant to preclude **Offeror** from offering new models or configurations which incorporate improvements in a current design or add functionality, but which in such new model or configuration may be new to the marketplace.
- c. Include any and all accessories which may or may not be specifically mentioned herein, but which are normally furnished or which are necessary to make a delivered Product ready for its intended use. Such accessories shall be assembled, installed and adjusted such that the Product is ready for continuous operation at time of delivery.
- d. Have assemblies, sub-assemblies and component parts that are standard and interchangeable throughout the entire quantity of a particular Product as may be purchased simultaneously by any individual **End User**.
 - a. Be designed and constructed using current industry accepted engineering and safety practices, and materials.
 - b. Be available for inspection at any time prior to or after procurement.

17. PRODUCT CODES

Unless otherwise addressed in Section B of this Invitation, the following requirements shall apply:

- a. Each Product/Service offered shall be uniquely identified using an **H-GAC** Product Code, which shall be determined as described in Section B of this Invitation. **Offeror** shall offer **ONLY ONE** Product for any particular Product Code. For example, **Offeror** may wish to submit a bid for Product Code ABC and may have another offering that also meets the requirements for ABC. **Offeror** **MAY NOT** submit two offerings for ABC. The alternate offering that also meets the requirements for ABC must be offered as an option "upgrade/downgrade" to ABC on **Form E**.
- b. Pricing for optional upgrades or downgrades to base bid items should be quoted as an "adder" or "deduct" amount as appropriate, to be applied to the offered price of the base Product Item listed on **Form D**.
- c. Base bid items and their associated HGACBuy Product Codes are included in the Section B and/or on **Form D**.

- d. Selection of Product Codes for which to submit an offer is at **Offeror**'s sole discretion.

18. SPECIFIC DESCRIPTIVE REFERENCES

Except for Base Product Items listed on **Form D**, any reference to a specific catalog, data sheet, form, brochure, model name or number, etc. used herein to describe an item such as an option or accessory is only descriptive and is not to be considered restrictive unless otherwise noted. Such references are normally used only to indicate a type, general description, level of quality and/or required performance standards.

19. MANUALS

Unless otherwise specified or superceded herein, each Product delivered under an **H-GAC** contract, and if applicable any options thereto, shall be supplied with at least one (1) copy of a safety and operating manual. The cost of any such manuals must be included in the base price for any Product Item offered hereunder. If more detailed and technically orientated parts and maintenance manuals are available for a Product or option, at a cost, they shall be offered as options on the *FORM* designated herein for such options, or elsewhere in the Response as may be directed herein.

20. STANDARD FEATURES & OPTIONS

The following requirements are applicable primarily to physical goods.

Standard Features

- a. The stated minimum requirements for all Products listed herein include what **H-GAC** considers to be "standard" features. Even though such features might normally be offered as options rather than as standard, they are nonetheless considered to be standard in this Invitation, and must be included in the base price for any Product offered. Such features **SHOULD NOT** be offered as options except as deducts for their omission from the base Product.
- b. If it is unclear in the Response that an **H-GAC** standard feature is included in the base price, it will be assumed that such is the case. If awarded a contract **Offeror** will be expected to sell the Product with all **H-GAC** specified standard features included in the base price.
- c. Any feature or accessory normally offered by manufacturer as "standard" shall be considered a standard feature and shall be included in the base price of any offering, even though not specifically listed as a requirement in **H-GAC**'s specifications. Such features **SHOULD NOT** be offered as options except as deducts for their omission from the base Product.

Options - General

- a. Options are considered to be any features or accessories, other than **H-GAC**'s and Manufacturer's "standard" features or accessories.
- b. Options should be offered on the *FORMS* designated for quoting options. Each option should be listed and described on a separate line, and should include any Manufacturer's/Dealer's code number. If no Manufacturer's/Dealer's code number exists, **Offeror** should create one.
- c. Prices for all offered options shall be assumed to include any installation or mounting required to make it a fully functional component of the Product, unless otherwise stated in **Offeror's** response.

Required Options

- a. Product specifications in this Invitation may include **H-GAC** "Required Options". If so, **Offeror** must quote a price for ALL such options, and, if there is an **H-GAC** Option Code provided in this Invitation for such options, it MUST be used as part of the description.
- b. For any specific "Required Option", **Offeror** may quote an equivalent so long as its design and performance are as good as, or better than, the specified option item. Responses which do not include pricing for Required Options may be considered non-compliant.

Other Options

- a. "Suggested" or "Other" options may be listed for any particular Product in this Invitation, and **Offeror** is encouraged to quote pricing for such options. The extent of offered options in any response may be taken into consideration as part of the award criteria, at **H-GAC**'s sole discretion.

- b. **Offeror** is encouraged to include options for non-equipment items that may be applicable to a sale, such as: Extended Warranties, Maintenance Agreements, Buy-back or Trade-In Agreements, Out-of-state Delivery Charges, Quantity or Special Discounts, Extended Training Classes, etc.

Published & Unpublished Options

- a. H-GAC Cooperative Purchasing Program (Program) contracts are awarded through a public competitive bid or proposal (RFP) process. Further to that process, Program policy considers an 'option' listed and priced in a bid or RFP Response: (1) To be a "**Published Option**"; (2) To be part of any awarded contract; and (3) To be available for purchase by Program members separately and independently from associated base line items. However, since Published Options may have not been subjected to the same scrutiny as the associated base line items, it cannot be concluded they were directly competed. Therefore, pursuant to Local Government Code 252.021(a), purchase of a published option costing more than \$50,000 shall not be allowed. Furthermore, **H-GAC** reserves the right at its sole discretion to disallow purchase of any Published Option through the Program if deemed contrary to the intent of the law.
- b. Any option that has not been listed and priced in the Response is considered to be an "**Unpublished Option**". Unpublished Options may be sold, but only in connection with the sale of a base Product Item, and only insofar as the total cost of all Unpublished Options remains below twenty five percent (25%) of the total summed cost of the base Product(s) plus any Published Options.
- c. No Published or Unpublished Option may be sold which essentially converts a Product such that it competes with a Product Item awarded to another contractor.

21. WARRANTIES, SALES & SERVICE

Unless otherwise addressed in Section B, the following requirements shall apply:

- a. Offeror must be a properly franchised dealer authorized to sell and service, including warranty service, all products offered and sold in response to the bid invitation or under any **H-GAC** contract.
- b. **Offeror** shall provide detailed Parts and Labor Warranty information with the Response. If **Offeror** submits a warranty with the Response which does not meet the minimum requirements herein, **Offeror** agrees by submission of a Response that such warranty shall be considered to be amended to meet those minimums.
- c. Warranties shall be manufacturer's standard and shall be inclusive of any other warranty requirements which may be stipulated elsewhere herein.
- d. Any warranties offered by a dealer shall be in addition to the manufacturer's standard warranty, and shall not be a substitute for such. **Offeror's** base price for any Product shall be inclusive of the standard warranty.
- e. Complete warranty information will be supplied to **End User** with each Product sold.
- a. Warranties need not apply to normal maintenance service or adjustments, or to any product reasonably shown to have been repaired or altered in any way so as to affect its stability, or to any product which has been subject to misuse, negligence, or accident.
- f. **Offeror/Contractor** is encouraged to offer extended warranties as an option.
- g. Neither **H-GAC** nor **End User** assume any warranty or liability on **Contractor's** behalf unless made or assumed in writing, initiated by **Contractor**, and agreed to in writing by **H-GAC** or the **End User** respectively.
- h. **Contractor** shall be responsible for the execution and effectiveness of all product warranty, and shall be the sole source for solution to problems arising from warranty claims. **Contractor** agrees to respond directly to correct warranty claims and to ensure reconciliation of warranty claims that have been assigned to a third party.

22. H-GAC ORDER PROCESSING CHARGE

H-GAC will levy an Order Processing Charge on **Contractor** for each sale done thru the **H-GAC** contract, with the exception of orders for motor vehicles. Any bid pricing submitted will be considered to include the Charge. The amount of the applicable charge shall be per the most current **H-GAC** schedule. For motor vehicle orders, the Processing Charge shall be levied on and paid by the **End User**.

23. PRE-PAYMENTS AND DISCOUNTS

- a. Progress, pre-payment and special discounts of any kind may be offered and detailed in the Response. Such discounts shall be clearly explained, but shall not be a determining factor in awarding contracts except in the case of tie offerings.
- b. Quantity discounts applicable to similar Products sold to one or more **End User** Departments may be offered. Determination as to product similarity shall rest solely with **Contractor**.
- c. For specific purchases, any proposed quantity, pre-payment or special discounts shall be clearly shown on the Contract Pricing Worksheet.

24. INSPECTION / TESTING

All Products sold pursuant to this Invitation shall be subject to inspection/testing by or at the direction of **H-GAC** and/or the ordering **End User**, either at the delivery destination or the place of manufacture. In the event a Product fails to meet or exceed all requirements of this Invitation, and unless otherwise agreed in advance, the cost of any inspection and/or testing, shall be borne by the **Contractor**.

25. PRODUCT DELIVERY

Unless otherwise addressed in Section B, the following requirements shall apply:

- a. Title to goods, and responsibility and liability for loss and/or damage in shipping pass to **End User** at the delivery destination after receipt and acceptance have taken place. Cost of shipping/delivery shall be paid by **End User** unless otherwise agreed to by **Contractor**. If **Contractor** will be paying for shipping/delivery, shipping terms must be "F.O.B. Destination, Freight Prepaid". If **End User** will be paying for shipping/delivery, shipping terms must be "F.O.B. Destination – Freight Collect".
- b. The details for the application and calculation of shipping and delivery charges must be stated in the Response on **Form E**. Any freight, shipping or delivery charged to **End User** will be prepaid and added to the invoice, and will be clearly shown on any Contract Pricing Worksheet or other quote presented to the **End User**.
- c. The estimated delivery time after receipt of order (ARO), inclusive of Saturdays, Sundays and holidays, for all Products offered must be stated in the Response. Actual delivery for any particular order must be confirmed with **End User** at time of order placement, and must be stated clearly on the Contract Pricing Worksheet.
- d. **Contractor** shall be responsible for delivery and Acceptance according to the requirements of the Contract and the Purchase Order.
- e. Contractor shall advise **End User** prior to making any shipment/delivery, and shall make such shipment/delivery in accordance with **End User's** requirements, providing only that such arrangements do not contravene any requirement of the **H-GAC** contract unless agreed to by **Contractor**.
- f. The execution of all required tests, certifications and/or licensing, and costs thereof, shall be the responsibility of **Contractor**. Upon request by **End User** or **H-GAC**, **Contractor** shall provide any documentation or certification related to such tests, certifications or licensing.

26. OFFERED PRODUCT ITEM VARIANCES

Any variance in the specifications or performance of Products offered pursuant to this Invitation shall be acceptable to **H-GAC** only insofar as it MEETS or EXCEEDS the specifications and requirements of this Invitation.

27. REQUIREMENTS FOR SUBMISSION OF A RESPONSE

Unless otherwise addressed in Section B, the following requirements shall apply:

- a. Responses shall be submitted in two complete printed sets including an Original and one (1) Copy in separate "hard side" three-ring binders. The outer spine of each binder shall be labeled showing this Invitation No., **Offeror** Name, and either "Original" or "Copy", as applicable. The Original printed response will be considered to be the binding Response in case of any conflicts between printed copies and electronic copies. Except for required forms, **H-GAC** Invitation documents should not be included in the Response.
- b. The Original and the Copy shall be submitted complete, except that the Electronic Media should be submitted only with the Copy.
- c. All required **H-GAC FORMS** and documents shall be properly completed, without exception or **Offeror's** Response may be deemed non-compliant. **Offeror** may not modify the format of any **H-GAC FORM** in any way. **Offeror** may photocopy or print blank **FORMS** as needed. Information submitted on the printed copies of the **FORMS** may not be handwritten except for signatures and initials. It is **Offeror's** responsibility to insure that printed **FORMS** are clear and legible. Handwritten and illegible entries may be rejected. **Offeror's** printed, stamped or typed name shall appear on every **FORM** submitted in the Response.
- d. The entire response submission shall also be submitted on electronic media, including all required **H-GAC FORMS**. **Offeror** is strongly advised to make and work with copies of the original electronic **FORMS**. The originals can then be used to make additional electronic or printed copies of the blank **FORMS**. Signatures are not required on the electronic **FORMS**.
- e. The Response shall include ample written evidence, in the form of technical specifications, cut/tear sheets, brochures, pictures, drawings, etc., to demonstrate that all specifications herein have been met and/or exceeded.

- f. The Response shall include, in any format desired, an overview of the **Service Organization** which will support Products sold under any **H-GAC** contract. The overview must include facility locations, phone numbers and Service Manager names, as well as the following:
- The procedure to be used by an **End User** requiring repairs.
 - Typical turn-around time on repairs.
 - Service Department days and hours of operation.
 - Number of qualified / factory trained service personnel normally on hand.
 - Description of the parts inventory on hand.
 - Training services, facilities and personnel available.
- g. Responses shall be enclosed in a sealed package(s) addressed to the Houston-Galveston Area Council, Cooperative Purchasing. The following information shall be stated on the exterior of the package(s):
- Name and address of **Offeror**.
 - Date and hour of public response opening.
 - Bid/Proposal Invitation number.
 - The statement: "**SEALED BID/PROPOSAL, DO NOT OPEN IN MAIL ROOM**".
- H-GAC** shall not be responsible for any Response not properly labeled.
- h. Submission of a COMPLETE Response by telegraphic or electronic transmission is not acceptable. However, Responses may be modified by telegraphic or electronic notice if such notice is received prior to the deadline for submission.
- i. Samples, when required, shall be submitted within the time specified and at no expense to **H-GAC**. If not destroyed or consumed during testing, samples will be returned upon request at **Offeror's** expense.
- j. **Offeror** shall provide firm contract pricing for all Products and Options being offered.
- k. If applicable, responses shall include copies of all current licensing which may be required by the Texas Motor Vehicle Division for execution of sales pursuant to any contract with **H-GAC**.
- l. Due to the complexity of responses and to aid in evaluation, the Response should contain **ALL** required information in tabbed sections as detailed below. Omission of any required FORM or information will be sufficient grounds for **H-GAC** to consider your response to be non-compliant.

m. **First Section:**

- **Form(s) A – Offeror Identification & Signatory:** Identifies the offering party(ies), and should be completed by each party to the Response. If awarded, a contract will be executed with each.
- **Form B – Historically Underutilized Business Enterprises:** Used to collect information about disadvantaged and minority suppliers and subcontractors, and to commit **Offeror** to working with Participants toward their program goals.
- **Form C – Response Checklist:** Certification, and also an aid, to insure that all required information has been included in your Response.
- References, formatted as described elsewhere herein.
- Service Organization Document, formatted as described elsewhere herein.

Second Section:

- **Form D – Offered Items Pricing:** For Bids, contains the list of the Product Items covered by this Invitation. Select the items offered and fill in the price for each. (For RFPs, follow the instructions in Section B as this **Form** may or may not be used.)
- **Form E – Published Options:** Used to list and price all offered options. List, each on a separate line, all upgrades, downgrades, optional equipment, features, accessories and services which you desire to sell thru the **H-GAC** contract, if awarded. Published catalogs/price sheets may be listed, along with the discount structure that will apply. (For RFPs, follow the instructions in Section B as this **Form** may or may not be used.)
- **Form W-9 – Request for Taxpayer Identification Number and Certification:** Should be completed by each party to the response.

Third Section:

- Technical Specifications, Product Brochures, Tear Sheets, Cut Sheets, Strippers, etc. which clearly list and show all the standard features and capabilities of each Product Item offered on **Form D**.

- Warranty Documentation, as described elsewhere herein, for all items offered.

Fourth Section:

- Copies of any applicable Texas MVD Licenses.
 - Electronic Media, containing the complete response including all required *FORMS*, stored in a pouch or an envelope such that it will not fall out of the binder. (Required in 'Copy' only, not in 'Original'.)
 - **Form CIQ – Conflict Of Interest Questionnaire:** Chapter 176 of the Texas Local Government Code requires vendors and consultants contracting or seeking to contract with **H-GAC** to file a Conflict of Interest Questionnaire (CIQ) if they have an employment or other business relationship with an **H-GAC** officer or an officer's close family member. The required questionnaire is located at the Texas Ethics Commission website: http://www.ethics.state.tx.us/whatsnew/conflict_forms.htm. It is Bidder's responsibility to download the form and furnish a completed copy with the Response, if it is applicable.
- n. By submittal of Response, **Offeror** certifies to the best of its knowledge that all information is true and correct.

28. CLARIFICATION TO SPECIFICATIONS & REQUIREMENTS

- a. If **Offeror** is in doubt as to the meaning of any item in this Invitation, a written request for clarification may be submitted to **H-GAC** up to fifteen (15) calendar days prior to the deadline for response submission. **H-GAC** shall not be responsible for late delivery. Requests may be transmitted by FAX or e-mail to the assigned Specification Specialist, and should clearly reference this Invitation number and the specific page and paragraph in question. If there are multiple questions, they should be stated separately and numbered.
- b. Any interpretation of Invitation documents, if made, will be by written Addendum duly issued. A copy of such Addendum will be mailed or delivered to each person officially on record as having been sent a copy of this Invitation. **H-GAC** will not be responsible for any other explanation or interpretation of the Invitation documents made or given prior to the award of the contract.
- c. Any objections to the Invitation documents must be filed in writing with **H-GAC** on or before fifteen (15) calendar days prior to the deadline for submission of responses.
- d. Prospective offerors are advised that, after a draft specification has been issued, the Pre-Bid/Proposal Conference is the primary forum through which comments and suggestions may be offered for consideration by **H-GAC** prior to issuance of the final invitation and specifications.
- e. All best efforts have been made to insure that the product/service descriptions and associated specification information in Sections B & C are correct, and adequate time has been given to prospective Offerors to point out mistakes. However, if an error remains and is caught by Offeror before the scheduled bid/proposal opening, Offeror shall make note of the required correction in the Response, and shall also notify **H-GAC** prior to the opening of responses.

29. INCONSISTENT INFORMATION

H-GAC review of responses supplied on **H-GAC FORMS** is a significant part of the evaluation process. **Offeror** shall state clearly all information required on the *FORMS*. **Offeror's** information supplied on the *FORMS* shall take precedence in the event any standard "boilerplate" type language included in **Offeror's** response is inconsistent with the information supplied by **Offeror** on the **H-GAC FORMS**. In all cases, information on **H-GAC's** printed *FORMS* supplied as part of **Offeror's** response shall take precedence over information supplied on electronic media.

30. REJECTION OF RESPONSES

- a. **H-GAC** may reject a response if:
- **Offeror** misstates or conceals any material fact in the Response, or if,
 - **Offeror** does not strictly conform to law or the requirements of this Invitation.
- b. **H-GAC** may reject any and all responses, and may reject any part of a response.
- c. **H-GAC, at its sole discretion**, may also waive any formalities or irregularities in any response, or ask for corrected information except for pricing.

31. WITHDRAWAL OR MODIFICATION OF RESPONSES

Once received by **H-GAC**, responses may be modified or withdrawn prior to the submission deadline only if the request to do so is in writing submitted by **Offeror's** authorized representative. Responses and requests for modification received after the submission deadline will not be accepted. Requests for response withdrawal received after the submission deadline will be accepted if the request to do so is in writing submitted by **Offeror's** authorized representative.

32. RESPONSE EVALUATION

For Bid Responses:

- a. Section B will state whether the contract will be awarded to the lowest responsible bidder or to the bidder who provides goods or services at the best value for **H-GAC** and its participants.
- b. If the contract will be awarded based on best value, Section B will state any relevant criteria which **H-GAC** will consider.
- c. For each offered Product Item, **H-GAC** may use the offered price, prices for Required Options, and the prices of selected common Published Options to determine the lowest responsible offer.
- d. Failure of **Offeror** to submit pricing for frequently purchased options and any **H-GAC** required options may cause response to be considered non-compliant at **H-GAC's** sole discretion.

For Proposal Responses:

- e. **H-GAC** will evaluate proposals as detailed in Section B.
- f. By submission of a Response Offeror indicates acceptance of the evaluation technique, and recognizes and accepts that **H-GAC** may at its sole discretion make subjective judgments during the evaluation process.

33. ORDER OF PRECEDENCE PRIOR TO CONTRACT AWARD

In the event of conflict between this document and any references or documents cited herein, this document shall take precedence prior to contract award.

34. AWARD OF CONTRACT

- a. **H-GAC** reserves the right to accept or reject any Product Item or option offered. Additionally, all options included in Offeror's response and accepted by **H-GAC** are understood to be included in any contract.
- b. **H-GAC** shall award contract(s) for line items or groups of line items, at its sole discretion.
- c. With authority granted by the **H-GAC** Board of Directors, a written contract shall be presented to the successful **Offeror(s)** and shall be subject to acceptance by the successful **Offeror(s)** within thirty (45) calendar days after presentation by **H-GAC**. If a contract is not executed within thirty (45) calendar days, **H-GAC** may rescind the contract offer and award a contract to the next **Offeror** in order of rank as determined by **H-GAC**.
- d. Delivery time and prompt payment discounts, including time allowed for payment, may be considered in tie-breaking of offers which are judged by **H-GAC** to be equal in all other criteria.
- e. The contract shall include the following documents in the stated order of precedence:
 - 1st The contract document signed by **H-GAC** and **Offeror**.
 - 2nd This Invitation and all specifications referenced herein.
 - 3rd **Offeror's** response to this Invitation.

35. PRO-FORMA CONTRACT

This Invitation includes a Pro-Forma (sample) Contract which successful offerors will be expected to sign. The actual final contract will be the same or nearly the same as the Pro-Forma. NOTE: Successful Offerors MAY NOT process any purchase orders until the contract documents have been executed and returned to **H-GAC**.

36. CONTRACT TERM

The contract shall be in effect throughout the period stated elsewhere in the contract documents, and thereafter until such time as any outstanding orders against the contract have been fulfilled. The contract may be extended if deemed by **H-GAC** to be in the best interests of the Program, and subject to mutual agreement of the parties.

37. PERFORMANCE & PAYMENT BOND

H-GAC's contractual requirements DO NOT include a Performance & Payment Bond (PPB), and offered pricing should reflect this cost saving. However, **Contractor** must be prepared to offer a PPB to cover any specific order if so requested by **End User**. **Contractor** shall quote a price to **End User** for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of **End User's** purchase order.

38. CHANGE ORDERS

End Users shall have the right to make additions by addenda for the purpose of clarification or inclusion of additional specifications, qualifications, conditions, etc. Any such addenda shall be made in writing and agreed upon by **Contractor** and the **End User** agency prior to issuance of any Change Order. A copy of any such Change Order shall be furnished by **Contractor** to **H-GAC**.

39. DUPLICATION OF TERMS OR STATEMENTS

Where statements or terms are duplicated or are extremely similar, **H-GAC** and the **End User** reserve the right to use the statement or term most favorable to **H-GAC** and/or the **End User**.

40. PUBLICITY

H-GAC encourages contractors to "market" the Program, and can provide some information and artwork to be used in published promotional materials. However, any publicity or published material released by **Contractor** referencing the contract, whether in the form of a press release, brochure, photographic coverage, or verbal announcement, shall be issued only with prior review and approval by **H-GAC**.

41. TAXES

HGAC and **End User** participants are either units of government or qualified non-profit agencies, and are generally exempt from Federal and State sales, excise or use taxes. **Offeror shall not** include any such taxes in the Response. Further, it shall be the responsibility of **Contractor** to determine the applicability of any taxes to a particular order and act accordingly. Exemption certificates will be provided upon request.

42. DRUG FREE WORKPLACE

Contractor shall provide notice to its employees and sub-contractors, as required under the Drug-Free Workplace Act of 1988. A copy of **Contractor's** Drug-Free Workplace policy shall, on request, be furnished to any **End User**.

43. PRODUCT NOTICES & MAILINGS

H-GAC is NOT the owner of Products sold pursuant to this Invitation, but acts only in the capacity of purchasing agent. In that regard, **Contractor** accepts sole responsibility for insuring that notices and mailings, such as Safety Alerts, Safety Recall Notices and Customer Surveys, are sent directly to the **End User** of record.

44. HANDLING OF ORDERS & PAYMENTS

In general, orders and payments will be handled as described below. More specific instructions and information regarding handling of purchase orders and the Order Processing Charge may be provided after contract award. Established procedures may be changed at any time by **H-GAC** as may be dictated by efficient business practice. The particulars of any sale, e.g. specific products, pricing, delivery, warranty, etc., will be in strict accordance with the terms and conditions of this Invitation and the specific contract awarded to **Contractor**. Beyond that:

- a. For any particular procurement to be made under the provisions of an **H-GAC** contract, **End User** and **Contractor** will discuss requirements and agree as to what will be provided.
- b. **Contractor** will prepare a Contract Pricing Worksheet and provide it to **End User**. The Worksheet will list everything being purchased including the base bid item(s), all published and unpublished options and the delivery date. All pricing shall be per the current contract.
- c. **End User** will send a purchase document to **Contractor**, which **Contractor** will send **H-GAC** together with the Contract Pricing Worksheet. **NOTE: Contractor** agrees not to offer, agree to or accept from **End User** any terms or conditions that conflict with or contravene those in **Contractor's H-GAC** contract, except for pricing discounts.

- d. **H-GAC** will prepare an "Order Confirmation" and send it to **End User** and to **Contractor**. The Order Confirmation verifies that **Contractor** has a valid **H-GAC** contract and that the order is in compliance with the requirements of the **H-GAC** Cooperative Purchasing Program. **Contractor** will not ship any goods before receipt of both **End User's** purchase document and **H-GAC's** Order Confirmation.
- e. On notification that **Contractor** has received an order, **H-GAC** will invoice **Contractor** for the applicable Order Processing Charge. **NOTE:** The Order Processing Charge is charged to **Contractor**, **EXCEPT in the case of motor vehicles**. For all sales of motor vehicles the Order Processing Charge is levied on the **End User**, collected by **Contractor**, and remitted to **H-GAC** by Contractor.
- f. **Contractor** will deliver products/services ordered, and will invoice **End User** for products/services accepted by **End User**. (See other Sub-Section herein dealing with Product Delivery.) **Contractor** will not invoice before shipment has been made.
- g. **End User** will pay **Contractor** for those products and/or services ordered which have been received and accepted. Under no circumstances shall any check be made payable to a representative or agent. Should a representative or agent submit an invoice to **End User** for any cost related to a purchase order issued to **Contractor** for products/services covered by an **H-GAC** contract, such invoice shall be forwarded to **Contractor** and **Contractor** will take action to correct the error.
- h. Upon delivery of any product/service by **Contractor** and acceptance by **End User**, **Contractor** shall remit to **H-GAC** the full amount of the applicable Order Processing Charge in accordance with the payment terms established in the **H-GAC** contract. Note, the Order Processing Charge is due whether or not **Contractor** has ever received an invoice from **H-GAC**. Sales executed based on the particulars of **Contractor's H-GAC** contract, without payment of the Order Processing Charge, may constitute fraud.

45. PRICE CHANGES

- a. Any permanent increase or decrease in offered pricing for a base contract item or published option is considered to be a price change. Temporary increases in pricing by whatever name (e.g. 'surcharge', 'adjustment', 'equalization charge', 'compliance charge', 'recovery charge', etc.), are also considered to be price changes.
- b. Except in the case of contracted published catalogs and price sheets, prices for Base Bid Items and Published Options are expected to be held firm for a minimum of 90 days from the date an awarded Offeror signs the H-GAC contract. Thereafter, changes will be considered if accompanied by justifying documentation satisfactory to H-GAC. For published catalogs and price sheets which are on an H-GAC contract, requests to amend the contract to reflect any new published catalog or price sheet may be submitted whenever the manufacturer publishes the new document. Any such request must include the new catalog or price sheet.
- c. If **Contractor** routinely offers discounted contract pricing, **H-GAC** may request **Contractor** to accept amended contract pricing equivalent to the routinely discounted pricing.
- d. No price change will be allowed unless it has been reviewed and approved by **H-GAC** in writing. **Contractor** must have received **H-GAC's** written approval of any change prior to charging the new price or using it in any quotation prepared for an End User.
- e. Price change requests must be submitted to **H-GAC** in writing and must be received by **H-GAC** at least thirty (30) calendar days prior to the requested effective date of the change, and must state the time period for which the requested pricing will remain firm.
- f. Price change requests shall include **H-GAC Forms D** and **E**, or whatever documentation was used to submit pricing in the original Response hereto, showing all affected items with current contract price, requested price, and percentage change shown clearly for each. This documentation should be submitted in MSExcel format to facilitate analysis and updating of the website.
- g. Price change requests **MUST** be supported with substantive documentation (e.g. manufacturer's price increase notices, copies of invoices from suppliers, etc.) showing that **Contractor's actual costs** have increased. The Producer Price Index (PPI) may be used as partial justification, subject to approval by **H-GAC**, but no price increase based solely on an increase in the PPI will be allowed.
- h. All Products shall, at time of sale, be equipped as may be required under any then current applicable local, state, and federal government requirements. If, during the course of any contract, changes are made to such government requirements which cause a manufacturer's costs of production to increase, **Contractor** may increase Product pricing to the extent of **Contractor's** actual cost increase. The increase must be substantiated with support documentation acceptable to **H-GAC** prior to taking effect. Modifications to a Product required to comply with such requirements which become effective after the date of any sale shall be the responsibility of the **End-User**.

- i. In cases involving contract extensions exceeding sixty-one (61) days beyond the stated expiration date of the contract, **Contractor** may request a price change based on the same conditions as stated above. However the thirty (30) day prior notice is waived and **H-GAC** will consider the request immediately on receipt.
- j. **H-GAC** reserves the right to accept or reject any price change request. Acceptance, if granted, will be in writing and the approved changes will become part of the contract.

46. CONTRACT ITEM CHANGES

- a. If a manufacturer discontinues a contracted item, that item will automatically be considered to be deleted from the contract with no penalty to Contractor. However, **H-GAC** may at its sole discretion elect to make a contract award to the next low offeror for the item, or take any other action deemed by **H-GAC** to be in the best interests of **End Users**, at its sole discretion.
- b. If a manufacturer makes any change in a contracted item which does not affect the contract price, Contractor shall advise **H-GAC** of the details. If the 'new' item is equal to or better than the originally contracted item, the 'new' item shall be approved as a replacement. Otherwise **H-GAC** may allow or reject the change, or take any other action deemed by **H-GAC** to be in the best interests of **End Users**, at its sole discretion. If the change is rejected there will be no penalty to Contractor.
- c. If a manufacturer makes any kind of change in a contracted item which affects the contract price, Contractor shall advise **H-GAC** of the details. **H-GAC** may allow or reject the change at its sole discretion. If the change is rejected there will be no penalty to Contractor. However, **H-GAC** may elect to make a contract award to the next low offeror for the item, or take any other action deemed by **H-GAC** to be in the best interests of **End Users**, at its sole discretion.
- d. In the case of specifically identified catalogs or price sheets which have been contracted as base bid items or as published options, routine published changes to products and pricing shall be automatically incorporated into the contract. However, **Contractor** must still provide thirty (30) calendar days written notice and an explanation of the changes to products and pricing. **H-GAC** will respond with written approval.

47. FORCE MAJEURE

If either party shall be wholly or partially prevented from the performance of any contractual obligation or duty by reason of or through strikes, stoppage of labor, riot, fire, flood, acts of war, insurrection, accident., order of any court, act of God, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance, in such event, the time for the performance of such obligation or duty shall be suspended until such disability to perform is removed. Determination of Force Majeure shall rest solely with **H-GAC**.

48. PERFORMANCE UNDER CONTRACT

H-GAC is committed to insuring that **Contractor** provides effective and efficient service to all Participants in the Cooperative Purchasing Program, and expects that certain Performance Conditions must be met. Failure to meet these conditions may result in contract termination. In that regard, **Contractor shall:**

- a. Appoint a dedicated representative to be the contact person and focal point for all matters relating to End User quotations and orders. The representative shall have: A toll free phone number with voice mail; A fax number; A working e-mail address; and A postal address.
- b. Insure that the representative timely monitors all communication modes listed above, and promptly responds to communications from **End Users** and **H-GAC** in any of these modes. Phone calls will be promptly returned, in any event not later than the next business day. Acceptable failure will be due only to Force Majeure.
- c. Maintain sufficient qualified staff to promptly process all communications from **H-GAC** or **End Users**, and to efficiently, effectively and accurately service all requirements of the contract.
- d. As may be requested by **H-GAC**, replace any staff members who are not providing the service and expertise deemed necessary by **H-GAC** for acceptable support of **End Users**.
- e. Properly prepare and provide to **End User** a Contract Pricing Worksheet, or a quotation in other format as approved by **H-GAC**, for each and every order that is to be executed.
- f. Furnish, on request of **H-GAC**, reasonable data, forms and graphic material to be used in brochures or other print media, or on **H-GAC**'s website.
- g. Allow access to **H-GAC** authorized personnel for inspection of operating facilities, and auditing of purchase orders during the contract period, and for a period extending thru the completion of any outstanding orders. Site inspection may be arranged not less than ten (10) calendar days prior, shall include the names of all participants, and shall be at no expense to **Contractor**.

h. Reporting Requirements:

- **Contractor** agrees to submit written quarterly reports to **H-GAC** detailing all transactions during the previous three month period. Such reports shall include, but are not limited to the following:
- **End User** name
- Product/Service purchased, including Product Code if applicable
- End User Purchase Order Number
- Purchase Order Date
- Product/Service dollar amount
- **HGACBuy** Order Processing Charge amount
- Reports must be provided to **H-GAC** in MSExcel or other acceptable electronic format, and are due by the 30th day of the month following the applicable quarter being reported.

i. Should **Contractor** default in providing Products or Services as required by this Invitation and the contract, recourse may be exercised thru cancellation of the contract and other legal remedies as may be appropriate.

49. IMPLEMENTATION OF INTERNET BASED E-COMMERCE

H-GAC Cooperative Purchasing has adopted E-Commerce as part of its business model and maintains an internet website at www.HGACBuy.org. At any point in time, various information and process functions may be implemented and made operational thru the website, including but not limited to items such as:

Information Items

- Contract information
- Procurement schedules
- Response requirements & specifications
- Product and option item catalog listings
- **End User & Contractor** information

Functions

- **End User** product inquiries
- Product configuration and price quotes
- Purchase Orders and Confirmations
- Shipping/Delivery notices
- Invoice generation
- Payment remittances, etc.

All **H-GAC Contractors**, as a condition of contract, will be required to work with **H-GAC** and it's E-Commerce provider(s) to maximize use of E-Commerce within the context of **H-GAC** Cooperative Purchasing business. **Offeror** is encouraged to refer to **H-GAC's** Cooperative Purchasing web site where additional information can be found. If you have any questions, please contact **H-GAC** for assistance.

50. CONTRACTOR ORIENTATION/TRAINING

H-GAC believes that **Contractor's** familiarity with the operational policies and requirements of the Cooperative Purchasing Program is a key factor in achieving **End User** satisfaction. In that regard, the Contact Person listed on **Form A**, or an alternate, shall be required to participate in an **H-GAC** vendor orientation/training as soon as possible after contract award. In addition, any other of Contractor's staff who will be involved in any way with the HGACBuy Program should participate in orientation. The orientation may be presented as a teleconference or webinar, or may be held in **H-GAC's** offices as may be determined by **H-GAC** and Contractor to be the most efficient and effective form of delivery.

51. LEGAL & CONTRACTUAL REMEDIES

RESOLUTION OF PROTESTED SOLICITATIONS AND AWARDS

Procedure

Any actual or prospective **Offeror** or **Contractor** who is aggrieved in connection with a purchase transaction may file a grievance. The grievance may be filed at any phase of the procurement. In order for an above mentioned party to enter the grievance process, a written complaint must be sent to the Office Services Manger of **H-GAC** by certified mail which identifies the following:

1. Name, mailing address and business phone number of the complainant.
2. Appropriate identification of the procurement being questioned.
3. A precise statement of reasons for the protest.
4. Supporting exhibits evidence or documents to substantiate any claims.

The grievance must be based on an alleged violation of **H-GAC's** Procurement Procedures, a violation of State or Federal law (if applicable), or a violation of applicable grant or contract agreements to which **H-GAC** is a

party. Failure to receive a procurement award from **H-GAC** in and of itself does not constitute valid grievance. Upon receipt of grievance, the Office Services Manager will initiate the informal resolution process.

Expedited Resolution

The Procurement Officer or Departmental Manager responsible for the solicitation shall contact the complainant and all interested parties and attempt to resolve the allegations informally within ten (10) working days from date of complaint. If the allegations are successfully resolved by mutual agreement, documentation will be forwarded to the Office Service Manager of the resolution with specifics on each point addressed in the original complaint.

If the Procurement Officer or Departmental Manager is not successful in resolving the allegations, the complaint along with the comments will be forwarded to the Office Service Manager immediately. The Office Service Manager will review all documentation. All interested parties will be given written notice of the date, time, and place of the hearing and an opportunity to present evidence. A written decision will be issued within five (5) working days after the hearing along with notice of appeal rights.

Appeals

The complainant may appeal the Office Service Manager's decision by submitting a written appeal, within five (5) working days, to the Executive Director of **H-GAC**. The Executive Director, upon receipt of a written notice of appeal, shall contact the complainant and schedule a hearing within ten (10) working days. The Executive Director of **H-GAC** has the option of appointing a Hearing Officer to preside over the hearing. If appointed, the Hearing Officer shall conduct a hearing and forward a summary and recommended resolution to the Executive Director.

The decision reached by the Executive Director or his designee shall be final and conclusive. This decision will be forwarded to the complainant in writing within thirty (30) working days.

The **Contractor** may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a Court of competent jurisdiction.

RESOLUTION OF CONTRACT DISPUTES

Upon breach or default, **H-GAC** shall give the **Contractor** written notice of default. If the default is not remedied, within a reasonable specified time from date of notification, to the satisfaction and approval of **H-GAC**, default will be declared.

Upon breach of contract or default, **H-GAC** may exercise any and all of its rights afforded by law, including but not limited to those referenced in the General Contract Provisions.

SOLICITATIONS OR AWARDS IN VIOLATION OF THE LAW

Contracts awarded in violation of the competitive process or otherwise in violation of the law are voidable by **H-GAC**.

52. NATIONWIDE SALES OPPORTUNITIES

HGACBuy provides purchasing services to local governments qualifying non-profits throughout the nation, and desires to make established contracts available to them wherever and whenever practicable. Therefore, once a contract is awarded, **Contractor** is expected to expand the scope of its marketing effort to include sales to **End Users** in all areas of the United States, and/or to assign any **H-GAC** contract to another contractor(s) as deemed appropriate by **H-GAC** in the interest of its End Users.

- **Contractor** may sell through **HGACBuy** anywhere subject to compliance with applicable laws and regulations. If the market structure in which **Contractor** operates requires a contract assignment for any particular sale, **H-GAC** will expect **Contractor** to assign the contract to a Manufacturer or to another Dealer(s). Such assignment must be approved by **H-GAC**.
- **Contractor's** differential costs (e.g. transportation & delivery charges) and allowances (e.g. manufacturer's sales incentives) related to any sale may be charged to buyer.

End of Section A
GENERAL TERMS & CONDITIONS

**SECTION B - PRODUCT SPECIFIC REQUIREMENTS
For
Portable Construction & Maintenance Equipment**

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1. SCOPE & INTRODUCTION

This is an Invitation to Submit Competitive Bids for the furnishing of a wide variety of construction and maintenance equipment to participants in **H-GAC’s** Cooperative Purchasing Program thru a “blanket” type contract(s). The Program is available to government and qualified non-profit entities throughout Texas and in most other states.

This section indicates H-GAC minimum requirements and other specifications applicable to the Portable Construction and Maintenance Equipment being bid in this Invitation. All products bid pursuant to this Invitation must meet or exceed the requirements and specifications listed or referenced herein.

The categories of equipment covered by this specification include:

- A.** Portable Air Compressors
- B.** Light Towers
- C.** Scissor / Personnel & Self-Propelled Vertical Lifts
- D.** Telescopic/Articulating Boom Lifts
- E.** Trench Shoring Equipment
- F.** Portable “Self-Priming” Trash Pumps
- G.** Portable “Priming-Assisted” Trash Pumps
- H.** Hydraulic Submersible Pumps
- I.** Electric Submersible Pumps
- J.** Welders and Equipment
- K.** Concrete Systems

2. GENERAL REQUIREMENTS

All Product Items bid and sold pursuant to this Invitation must, as applicable:

- a. Meet all applicable requirements of federal, state and local laws and regulations.
- b. Be manufacturer's normal offering with all standard features and functions.
- c. Be properly licensed, permitted and/or inspected prior to delivery.
- d. Include all standard and ordered optional equipment, and be ready for operation on delivery.
- e. On the initial delivery of purchased equipment, the contractor shall supply a qualified representative to demonstrate the equipment and provide initial and/or required instruction to representatives of the purchaser regarding the operation, care and maintenance of the equipment supplied. **These costs shall be included in the base unit price quoted on Form D.**

Note: The contractor should show the cost of a contractor supplied representative being furnished as a deduct on **Form E** in the event a member does not need or want this service.

Note: Contractor shall quote as an option on **Form E** any optional instruction/training regarding service/maintenance that may be available for the delivered equipment.

3. CERTIFICATE

Contractor shall provide a Certificate of Origin to the member. Registration of the unit/trailer is the member's responsibility as well any fees required, if any.

4. WARRANTY

OEM Standard. Extended warranties shall be offered by contractor as options on **Form E**.

5. PARTS AND SERVICE

A source for OEM parts and qualified service shall be provided to buyer at time of delivery or before.

6. MINIMUM DESIGN AND PERFORMANCE REQUIREMENTS

Following are the design and performance requirements for the equipment covered by this Invitation. Unless otherwise specified, these are minimum requirements where applicable. H-GAC will have final determination on what is acceptable regarding these requirements for each of the equipment categories that may be bid.

Note: Bidder shall supply a spec/quote sheet for each product code/line item bid on Form D. These sheets should detail what features are included in the price quoted on Form D. The spec/quote sheet must identify the model specified on the Form D description.

A. Portable Air Compressors

- The equipment furnished under this specification shall be the latest improved model in current production, as offered to commercial trade, and shall be of quality workmanship and material.
- All parts not specifically mentioned which are not necessary for the unit to be complete and ready for operation or which are normally furnished as standard equipment shall be furnished by the vendor. All parts shall conform in strength, quality and workmanship to the accepted standards of the industry.
- The unit provided shall meet or exceed all Federal and State of Texas safety, health, lighting and noise regulations and standards in effect and applicable to equipment furnished at the time of manufacture.
- Compressor shall be either of rotary-vane or rotary-screw design, with one or more stages of compression.
- Free air delivery pressure.
- Compressor lubricated and cooled by an oil system consisting of an air/oil separator, oil filter and replaceable element, temperature regulating valve, radiator or cooler, and a dipstick or gauge to indicate compressor oil level. Method of oil delivery and arrangement of components shall be in accordance with the manufacturer's standard design.

- Rotary-vane type compressors shall rotate at the same speed as the engine. Screw type compressors may have step-up gear boxes if such are in accordance with the manufacturer's standard design. Engine speed necessary to produce the required air flow and pressure shall not exceed the engine manufacturer's maximum recommended RPM for continuous operation.
- Dry type air cleaner.
- Unit to be equipped with all necessary gauges and controls necessary to monitor and control the compressor's performance.
- Unit to be equipped with a safety shutdown system which automatically shuts the machine down in the event of engine high coolant temperature, low engine oil pressure, or high compressor air discharge temperature.

B. Light Towers

- Unit shall meet all applicable requirements of Underwriter's Laboratories.
- Engine shall be equipped with a 12V electric start and heavy duty battery, low oil pressure/high engine temperature safety shutdowns.
- Control panel to have individual lamp switches, non-resettable hour meter, keyed ignition. Panel to be hinged allowing easy access to other components.
- Unit to be equipped with four (4) metal halide floodlights with aluminum reflector housings with tempered impact resistant, twist-lock connections for improved protection and increased durability.
- Tower to be telescoping (2 or 3 section) and have a 360 Degree rotation range with position lock. Mast to be easily extended with dual, hand-operated winches with automatic safety brake. Tower to retract and stow horizontally for travel and lock in position to prevent telescoping.
- The trailer shall be heavy duty welded tubular steel equipped with fenders and adjustable outriggers with jacks as required per manufacturer's design.
- Trailer lighting, hitch and safety chains to be D.O.T. compliant.
- The enclosure shall be of heavy duty steel construction, having full-length side doors with pneumatic gas-lift cylinders.

C. Scissor Lifts / Personnel & Self-Propelled Vertical Lifts

- The unit shall safely elevate the required capacity to the height specified in applications such as building maintenance and clean up.
- Lifts meeting this specification shall be in compliance with the current "American National Standard for Work Platforms, Self Propelled, Elevating", ANSI A92.6.
- The platform height shall be measured at a maximum elevation of the device, from the floor of the platform to the ground. Extensions, spacers, inserts, etc. shall not be installed on this device for the purpose of meeting height requirements.
- The device shall meet the requirements of the Horizontal (ANSI 4.7.1) and Vertical (ANSI 4.7.2) Load Tests and the Driving Tests (ANSI 4.7.3) as outlined in the referenced ANSI paragraph.
- Unit shall be electrically or engine powered.
- Work platform shall be constructed of welded tubular steel having expanded metal or wood flooring with top rail, mid rail and kick panel.
- Rails shall be removable or shall have integral gate for loading of tools and material.
- Unit shall be designed to provide safe and easy access to the platform from the ground.
- Lift shall be equipped with a control station located at the platform meeting, but not limited to, the following:

- a) Electric/hydraulic or fully hydraulic proportional controls for propel and steer functions. Controls shall return to neutral type controls and when released by the operator shall automatically stop the motion of the device and lock the control lever in the neutral position.
 - b) Mfg. standard controls shall be provided for platform elevation and retraction.
 - c) Controls for engine start/stop switch, engine speed control.
 - d) All functions to be marked with permanent-type lettering and/or universal symbols.
- Brakes – Unit shall be equipped with, as a minimum, a spring applied-hydraulically released brake system which shall automatically apply upon release of the drive control.
 - Unit to be equipped with either a hydraulic or hydrostatic steering system.
 - Instrumentation – Unit shall be equipped with, but not limited to, the following gauges and indicators (where applicable):
 - a) Battery condition meter or indicator.
 - b) Hour meter
 - c) Ammeter or voltmeter
 - d) Engine oil pressure gauge
 - e) Fuel sight gauge
 - f) Audible alarm and warning light for low engine oil pressure
 - Hydraulic System – Lifting system shall safely raise and lower the work platform and shall be sealed against any contaminants with any necessary air vents being filtered.
 - Hydraulic system shall be equipped with a safety relief valve (s) and replaceable hydraulic oil filters.
 - Main lift cylinder to be equipped with a holding valve that shall prevent the unrestricted descent of the platform following hydraulic failure.
 - All electric wiring shall be insulated and enclosed in a fibrous loom, plastic loom or flexible conduit for protection from external damage and short circuits.
 - Markings – Unit shall have all identification, operation and instruction markings installed when delivered to end user.
 - Paint shall be manufacturer's standard.

D. Telescopic/Articulating Boom Lifts

- Dual fuel engine (Gas/LPG).
- Lift to be equipped with a self-leveling platform.
- Unit to have a 360 Degree continuous turntable rotation.
- Hydraulic platform rotation.
- AC wiring to platform.
- 12V DC auxiliary power.
- Fully proportional platform controls with ramp up/down feature.
- Unit to have a closed-loop hydrostatic drive system.
- Auto engine fault shutdown system.
- Tilt alarm
- Horn
- Hour meter

- Fuel select switch on platform and ground control panels.
- Maintenance free pivot-point bearings

E. Trench Shoring Equipment

1. Trench Shields

- Hard wood inserts in the top horizontal and side vertical tubes.
- 4-point lifting system
- Stacking tubes flush to inside.
- Thru-wall collar design
- Hi-tensile steel used throughout.
- OSHA approved

2. Manhole Shields

- Constructed of high tensile steel
- Hardwood inserts
- Honey-comb inner structure
- Clear view spreaders
- Reinforced knife edge
- Schedule 80 spreader pipe
- OSHA approved.

3. Round Manhole Shields

- High strength tensile steel
- Light weight design
- Replaceable cut-outs (optional)
- Legs standard with non cut-out units
- D-Rings for lifting
- OSHA approved

4. Aluminum Trench Shields

- Lightweight, high strength 6061-T6 aluminum construction
- Reinforced 3/8 aluminum bar cutting edge
- Full-length hardwood inserts
- Clear-view front spreader

5. Aluminum Hydraulic Shields

- Lightweight aluminum sheeting sidewalls with sturdy lifting eyes
- Heavy duty skid plates and sheeting caps to reinforce tip and bottom of sheeting sidewalls
- Heavy duty strut protects cylinder and has end-loading capability for 3 and 4 sided use
- Multiple pinning locations in strut permitting a wide range of settings when shield is used in a static mode

- Fold down, all-steel manifold cover for protection of manifold when shield is in use and provides easy access to hydraulic hook-ups
- OSHA approved

F. Portable “Self-Priming” Trash Pumps

- Pump shall have removable end plate to access volute without removing suction and discharge hose.
- Discharge port should have a 90 Degree elbow and be able to discharge 360 degree from top of pump.
- Pump shall have grease seal or mechanical oil lubricated seal (2” – 10”)
- Pump shall pass a minimum “Spherical Solid” diameter as follows:
 - a. 2” Pump – 1 3/16”
 - b. 3” Pump – 1 1/2”
 - c. 4” Pump – 3”
 - d. 6” Pump – 3”
 - e. 8” Pump – 3”
 - f. 10” Pump – 3”
 - g. 12” Pump – 3”
 - h. 14” Pump – 4”
- Pump must be able to prime and re-prime itself without the assistance of air-compressors, diaphragms, or any other assisting device.
- Pump manufacturer shall be ISO 9001:2000 certified
- Pumps shall have an “open” type two (2) vane ductile iron impeller
- Pumps shall have a replaceable wear plate using two (2) bolts to reconnect

G. Portable “Priming-Assisted” Trash Pumps

- Pumps shall have external priming system consisting of an air-compressor or a mechanically driven diaphragm style pump
- Impeller can be either “open or closed” type with capacity to pass spherical solids
- Pump shall have a discharge swing check valve
- Pump shall discharge horizontally from case housing of pump
- Pump manufacturer shall be ISO 9001 certified
- Pumps shall have mechanical, oil or glycol lubricated seal
- High-Pressure Pumps shall be capable of high heads (PSI) and increased flows with either ductile iron or Cast steel body or impeller.
- Pump casing, suction cover, separation tank and wear plates will be either close grained cast iron, cast steel or Stainless steel.
- Suitable for either/or both clear liquids and liquids containing large solids.

H. Hydraulic Submersible Pumps

- Shall have cast iron, steel or aluminum housing
- Double mechanical seal in its own oil bath for dry running
- Bearings independent from the hydraulic gear motor
- Open circuit hydraulic system
- Variable speed, water cooled diesel engine
- Shall have supply and return connections for the hydraulic system.

I. Electric Submersible Pumps

- Outer jacket for continuous cooling of motor
- Dry running capability without damage to pump
- Mechanical seal
- Minimum internal upper & lower mechanical seals.

J. Welders

- The equipment furnished under this specification shall be the latest improved model in current production, as offered to commercial trade, and shall be of quality workmanship and material.
- Unit shall be equipped with a shut safety shut-down system (i.e. low oil).
- Circuit breaker protection for tools and generator.
- Welder/generator shall be protected by a steel durable frame.

K. Concrete Systems

- All equipment to be manufactured with ASTM A36 welded structural steel or equivalent.
- All trailers shall be dual axle and will have DOT compliant free-backing brakes on all wheels.
- All trailer lighting, couplers, actuators and safety chains to be DOT compliant.
- All trailers to be equipped with thermoformed TPO Tandem flex fenders.
- All trailer to be equipped with Vari-Height screw-adjustable tow bars.
- All control panels to be NEMA 4 type and UL Listed.
- All motors and cylinders to be hydraulically controlled and using mono block hydraulic valves.
- All tires to be load range C minimum.
- All hydraulic pressure hoses to be steel reinforced and rated to 3000 PSI minimum.
- All hydraulic pressure functions to operate at 1800 PSI minimum.

7. PRODUCT CODES AND PRICING

Each base Product item covered by this Invitation has been pre-listed on **Form D**, and is identified by a unique **H-GAC** four (4) character alphanumeric Product Code. Bidder shall decide which line items to bid and shall fill in a bid price in the appropriate cell on **Form D**. Awards will be based on the “Based Offered Price” provided on **Form D** for each product code.

- **Note:** As described in Section-A, for each purchase order under an awarded contract, H-GAC will invoice contractors directly for the 1.5% H-GAC purchase order processing charge. It is Bidder's responsibility to take this into consideration when preparing **Form-D** and **Form-E** bid pricing, building this fee into Base Unit and options pricing accordingly (for example, a 20% discount-off-list price should ideally be listed on Bidder's bid as 18.5%).
- **Note:** Bid pricing shall be exclusive of freight charges, which will be addressed at the time of each individual sale, as a P/O line item, specific to the individual end user. Freight Charges should be quoted on Form E.
- **Note:** Bidder should bid variations on Base Product Items (optional models) on **Form E** as options with bid pricing equal to the differential amount between the Base Product Item price and the Option Price.

Fee is calculated from awarded bid pricing before additional discounts (if any) have been applied

8. SUGGESTED OPTIONS FOR ALL CONSTRUCTION AND MAINTENANCE EQUIPMENT

In addition to bidding variations on Base Product Items on **Form E**, **Bidder** shall also list and bid other model options, construction options, parts and accessories, using **Form E** as appropriate. **Bidder** may also list a specified catalog of options and accessories on **Form E**, and bid a discount off list. Bidder must provide a copy of any catalog quoted on **Form E** w/their bid.

9. AWARDS

Consistent with Texas bid award statutes, for each specific Form-D line item, H-GAC will recommend a single award to the lowest responsible Offeror. Once approved by our Board of Directors, Offerors will be notified of H-GAC management's final award recommendations by email, and then followed by a final, formal signature request from our Contracts group.

----- End of Section B -----

Specifications prepared by

**Houston-Galveston Area Council
Cooperative Purchasing Program**

For questions about this Invitation, please contact:

Bill Burton

Ph: 832-681-2514

Email: wburton@h-gac.com



SECTION C - H-GAC FORMS

(Rev 12/02/09)

For Use In Responding To Competitive Bid And Proposal Invitations

Invitation No.: CM02-17

Title: Portable Construction & Maintenance Equipment

This Section contains the following **H-GAC FORMS**.

FORM	DESCRIPTION
Form A:	Offeror Identification and Authorized Signatory
Form B:	Historically Underutilized Business Enterprises
Form C:	Response Checklist
Form D:	Offered Items Pricing
Form E:	Published Options

These *FORMS* are hereby made available in electronic format. They should be copied to Offeror's computer for completion and/or printout as required. The *FORMS* **may not** be changed or altered in any way, except as may be specified on the *FORM*.

ALL completed *FORMS* must also be submitted electronically on electronic media (DVD, CDROM, flash/thumb drive), excepting of course for signatures. The printed "Original" of the response will be considered as the official copy in case of any discrepancy between the electronic version and the printed Original.

FORM A - OFFEROR IDENTIFICATION & AUTHORIZED SIGNATORY
(DO NOT handwritten this Form. Information must be typed in.)

Invitation No.: CM02-17

Invitation Title: Portable Construction & Maintenance Equipment

Offeror Company: _____

(Legal name of business which will appear on contract, if awarded)

Offeror Status: Manufacturer Dealer/Distributor Other

Response Type(1): Single Offeror Acting Alone Or As Lead Multiple Offerors Acting Jointly

Contract Signatory(2): _____

Title: _____

Mailing Address(3): _____

Street/PO Box

City

State & Zip

Physical Address: _____

Street

City

State & Zip

Phone: _____

Fax: _____

Email Address: _____

Federal Tax ID No.: _____

Web Page URL: _____

- (1) If Joint Offering, all parties must submit a signed Form A. A contract will be offered to each.
- (2) Person who will sign final contract documents if an award is made.
- (3) Address to which final contract documents would be sent for signature.

Member Contact Information

Contact Person(4): _____

Title: _____

Mailing Address: _____

Street/PO Box

City

State & Zip

Physical Address: _____

Street

City

State & Zip

Toll Free Phone: _____

Fax: _____

Email Address: _____

- (4) Person who End Users will contact for product information and to get pricing quotes.

The Signatory below, on behalf of Offeror:

- Acknowledges having thoroughly reviewed the Invitation;
- Attests to having the authority to sign this response and commit Offeror to honor all requirements;
- Makes, under penalty of perjury, all required Offeror Certifications as detailed in General Terms;
- Certifies that all information provided in this Response is true and correct.

Signature: _____

Title: _____

Printed Name: _____

Date: _____

Title: Portable Construction & Maintenance Equipment**Offeror:** _____

Most, if not all, of the Members of HGACBuy are subject to various requirements relative to purchasing goods and services from Historically Underutilized Business Enterprises (HUBs)(See Note 1). These requirements are promulgated by federal and state governmental authorities, and include measureable criteria such as 'percentage of total dollars spent directed to HUBs', 'number of HUB contractors used', 'HUB subcontractors employed by primary contractors', etc. These requirements are generally formalized in goal oriented programs.

HGACBuy is comitted to promoting full and equal business opportunities for HUB contractors, and to assisting Cooperative Purchasing Program (COOP) Members in meeting mandated HUB goals. In that regard, Contractor shall make a good faith effort to use the services of Certified/Listed (See Note 2) HUBs whenever possible.

As part of a good faith effort, Contractor agrees to work with and assist HGACBuy Members in meeting HUB targets and goals, as may be required by any rules, processes or programs they might have in place. Such assistance may include such things as compliance with reporting requirements, provision of documentation, consideration of 'Certified/Listed' subcontractors, provision of documented evidence that an active participatory role for a HUB entity was considered in a procurement transaction, etc.

Note 1: There are many designations other than "HUB" used across the country within various jurisdictions. Examples include terms such as Disadvantaged Business Enterprise (DBE), Minority Owned Business Enterprise (MBE), Woman Owned Business Enterprise (WBE), Small Disadvantaged Business (SDB), Small, Woman or Minority-owned Business (SWAM), etc. Regardless of the formal designation, the overall objective of the relavant programs is basically the same, i.e. to insure that disadvantaged and underutilized members of the business community receive a fair share of public spending. The term HUB as used herein shall be understood to encompass all such programs/business enterprises, no matter what terminology is used by the Member.

Note 2: The terms "Certified" and "Listed" as used in conjunction with HUB programs relate to the process of HUB qualification review. Jurisdictions usually require that companies claiming HUB status be reviewed and confirmed as meeting certain minimum requirements to claim that status, and that the review and confirmation process be carried out by certain designated entities. They are then "Certified" or "Listed" by having their name included on an official listing published by the Certifying or Listing Authority.

Accepted and Agreed By:

Title:

Date:

HUB Status Of Offeror Offeror is a HUB, as detailed below. Offeror is not a HUB.

Designation(s):

 HUB DBE MBE WBE Other

Certifying/Listing Authority(s):

Subcontracts

On a separate sheet, list any subcontractors that would be employed in providing products or services related to this procurement. Include subcontractor name, designation (HUB, DBE, etc.) and certifying/listing authority.

 Subcontractor List attached. No Subcontractors will be used.

FORM C - RESPONSE CHECKLIST

Procurement No.: CM02-17

Title: Portable Construction & Maintenance Equipment

Offeror: _____

This *FORM* is provided to help insure that all required Response elements have been completed and included, or certified as being available upon request. **Responses that do not comply with all requirements may be considered non-compliant.** Offeror's signatory must review each item below, and certify by initialing in the space to the right.

This Response Includes:

Init.

- | This Response Includes: | Init. |
|--|-------|
| 1 An "Original" hard copy of the COMPLETE submission, including all required <i>FORMS</i> , plus one copy, each in a separate hard-sided 3-ring binder. | |
| 2 A copy of the COMPLETE submission, including all required <i>FORMS</i> , in electronic format (CD-ROM, flash drive). Forms D & E are to be provided in an excel format. | |
| 3 An originally signed Form A from all entities who are party to this submission and who should be offered a contract if this submission is successful. Note: Contracts cannot be awarded without a properly completed Form A. Form A's must be submitted with the bid package and cannot be accepted once bids have been opened. | |
| 4 The required list of References . | |
| 5 A Form W-9 - Request for Taxpayer Identification Number and Certification shall be provided from each entity that has submitted a Form A for this submission. | |
| 6 Details of " Service Organization ", including locations, hours, personnel and parts/service availability. (Applies to hard goods only.) | |
| 7 Complete Warranty Documentation for all Products offered. | |
| 8 The manufacturer's latest Specification Documents detailing standard features, operating characteristics, etc., for each Base Product Item offered. Note: Bidder shall supply a spec/quote sheet for each product code/line item bid on Form D. These sheets should detail what features are included in the price quoted on Form D. | |
| 9 Form CIQ , if required by law, completed and signed. (The Form, and instructions for its use, can be found at: http://www.ethics.state.tx.us/whatsnew/conflict_forms.htm) If Form CIQ does not apply, put "N/A" in the box to the right. | |
| 10 If the Non-Resident Reciprocal Bid Act applies, a copy of your state statute and a determination of the status of Texas bidders/proposers in your home state. If not applicable, indicate "N/A" | |

11 If offer includes motor vehicles to be sold in Texas, copies of all current licenses as required by the Texas Motor Vehicle Commission.	
12 A Bid/Proposal Bond , or Cashier's Check in the amount of \$3000 . (A percentage bond is NOT acceptable.)	Not Required

H-GAC FORM D - PRODUCT ITEM BASE OFFERING PRICES		
Offeror Name:		
Invitation No.:	CM02-17 - Portable Construction and Maintenance Equipment	
Notes:	1. Offeror may not make any changes to the product model/descriptions listed below. Any modifications made to Form D may result in bid being deemed non-compliant. 2. Remember to bid options and accessories on Form E.	
A. Portable Air Compressors		
Product Code	Model/Description	Bid Price
A. Atlas Copco		
AA01	XA (T, H) S - 37-97, Single Axle Trailer Mounted Air Compressor	
AA02	XA (T, H) S - 37-97, Hard Hat, Single Axle Trailer Mounted Air Compressor	
AA03	XA (H, V, T) S - 106 - 186, Deutz Diesel Single Axle Trailer Mounted Air Compressor	
AA04	XA (H) S - 97 - 186, John Deere / Deutz Single Axle Trailer Mounted Air Compressor	
AA05	XA (H, M) S - 236 - 356, Caterpillar Single Axle Trailer Mounted Air Compressor	
AA06	XA (M, T, H, V) S - 296 - 546, Caterpillar Duel Axle Trailer Mounted Air Compressor	
AA07	XR (H, V) S - 336 - 506, Caterpillar Duel Axle Trailer Mounted Air Compressor	
B. Doosan		
AB01	C185WDZ-T4F, Trailer Mounted Diesel Air Compressor, 185 CFM, 100 PSI	
AB02	C185G, Trailer Mounted Gasoline Air Compressor, 185 CFM, 100 PSI	
AB03	P185WDO-T4F, Trailer Mounted Diesel Air Compressor, 185 CFM, 100 PSI	
AB04	P250/HP185WDZ-T4F, Trailer Mounted Diesel Air Compressor, 250/185 CFM, 100/150 PSI	
AB05	P425/HP375WCU-T4F, Trailer Mounted Diesel Air Compressor, 425/375 CFM, 100/150 PSI	
AB06	VHP400/HP450WCU-T4F, Trailer Mounted Diesel Air Compressor, 400/450 CFM, 200/150 PSI	
AB07	XP825/HP750WCU-T4F, Trailer Mounted Diesel Air Compressor, 825/750 CFM, 125/150 PSI	
AB08	VP900E, Trailer Mounted Electric Air Compressor, 600-900 CFM, 100-150 PSI	
AB09	HP915WCU-T4F, Trailer Mounted Diesel Air Compressor, 915 CFM, 150 PSI	
AB10	HP1600WCU-T4F, Trailer Mounted Diesel Air Compressor, 1600 CFM, 150 PSI	
C. Sullair		
AC01	185 DPQ CAT 2.2 (iT4)---(limited quantities)	
AC02	185 DPQ Kuboto T4F	
AC03	260 DPQ CAT 3.4 T4F	
AC04	200H DPQ (200 cfm @ 150 psig) with Caterpillar 3.4 T4F	
AC05	400HH DPQ CAT 4.4 T4F	
AC06	375 DPQ CAT-C4.4 T4F	
AC07	375H DPQ JD-4045HF or CAT-C4.4 T4F	
AC08	425 DPQ JD-4045HF or CAT-C4.4 T4F	
AC09	900 DTQ CAT-C9ATAAC iT4	

AC10	900H DTQ CAT-C9ATAAC iT4	
AC11	1050 DTQ CAT-C9ATAAC iT4	
AC12	1600H DTQ CAT-C15ATAAC iT4	
D. MMD Airman Air Compressors		
AD01	PDS100S-6B4 w/ Trailer, 100 CFM @ 100 PSI	
AD02	PDS130S-6B4 w/ Trailer, 130 CFM @ 100 PSI	
AD03	PDS185S-6C2 w/ Trailer, 185 CFM @ 100 PSI	
E. Chicago Pneumatic		
AE01	CPS 90, Portable Air Compressor, Kubota, 88CFM, 100PSI	
AE02	CPS 185 DD, Portable Air Compressor, Deutz, 185CFM, 100PSI	
AE03	CPS 185JD, Portable Air Compressor, John Deere, 185 CFM, 100 PSI	
AE04	CPS400-150JD, Portable Air Compressor, John Deere, 375 CFM, 100 PSI	
AE05	CPS750, Portable Air Compressor, Caterpillar, 750CFM, 100PSI	
B. Light Towers		
Product Code	Model/Description	Bid Price
A. Allmand		
BA01	NL7.5K Night-Lite Pro/ PROII NL7.5 Kubota 1005, 7.5w generator	
BA02	ML7.5K Maxi-Lite Kubota 1005, 7.5w generator	
BA03	ML15 Maxi-Lite Isuzu, 15kw generator	
B. Baldor		
BB01	Model PL6000K Portable Light Tower, 6 KW output, Kubota D1005 engine, 50 gallon fuel capacity, 13.1 bhp, 1000 hour run time (1 tank)	
C. Doosan		
BC01	<u>L6-60HZ-T4F</u> Portable Light Tower, 6 KW output, Kubota D1105BG, 13.6 bhp, 1800 rpm, 48 hr. run time (100% Load)	
BC02	<u>L8-60HZ-T4F</u> Portable Light Tower, 8 KW output, Kubota D1105BG, 13.6 bhp, 1800 rpm, 40 hr. run time (100% Load)	
BC03	<u>LS-60HZ-T4F</u> Portable Light Tower, 6 KW output, Kubota D1105BG, 13.6 bhp, 1800 rpm, 52 hr. run time (100% Load)	
BC04	<u>L20-60HZ-T4I</u> Portable Light Tower, 20kW output, Isuzu 4LE, 34.3 bhp, 1800 rpm, 57 hr. run time (100% load)	
BC05	<u>LSCWKUB-60HZ-T4F</u> Portable Light Tower, 6 KW output, Kubota D1005BG, 13.9 bhp, 1800 rpm, 55 hr. run time (100% load)	
D. Magnum Products		
BD01	MLT6SM, Vertical Mast, 6kW, Mitsubishi Engine - Manual Winch, Towable Light Tower	
BD02	MLT6SK, Vertical Mast, 6kW, Kubota Engine - Manual Winch, Towable Light Tower	
BD03	MLT3060M, Standard Mast, 6kW, Mitsubishi Engine - Manual Winch, Towable Light Tower	
BD04	MLT3060K, Standard Mast, 6kW, Kubota Engine - Manual Winch, Towable Light Tower	
BD05	MLT4060M, Standard Mast, 6kW, Mitsubishi Engine - Manual Winch, Towable Light Tower	

BD06	MLT4060K, Standard Mast, 6kW, Kubota Engine - Manual Winch, Towable Light Tower	
BD07	MLT5060M, Standard Mast, 6kW, Mitsubishi Engine - Manual Winch, Towable Light Tower	
BD08	MLT5060K, Standard Mast, 6kW, Kubota Engine - Manual Winch, Towable Light Tower	
BD09	MLT3060MV, Vertical Mast, 6kW, Mitsubishi Engine - Electric Winch, Towable Light Tower	
BD10	MLT3060KV, Vertical Mast, 6kW, Kubota Engine - Electric Winch, Towable Light Tower	
BD11	MLT4060MV, Vertical Mast, 6kW, Mitsubishi Engine - Electric Winch, Towable Light Tower	
BD12	MLT4060KV, Vertical Mast, 6kW, Kubota Engine - Electric Winch, Towable Light Tower	
BD13	MLT5060MV, Vertical Mast, 6kW, Mitsubishi Engine - Electric Winch, Towable Light Tower	
BD14	MLT5060KV, Vertical Mast, 6kW, Kubota Engine - Electric Winch, Towable Light Tower	
BD15	MTT15, Combination Light Tower, Generator, Water Trailer, 13kW Single Phase	
BD16	MTT20IF4, Combination Light Tower, Generator, Water Trailer, 19kW Single Phase	
BD17	MWT500 500 Gallon Water Trailer with 2" Water Pump	
E. Wacker		
BE01	LTN6L-0620117, Compact Light Tower - 4-lamps, Lombardini diesel engine	
BE02	LTN6K-062734, Compact Light Tower - 4-lamps, Kubota diesel engine	
BE03	LTN6C-0620118, Compact Light Tower - 4-lamps, Caterpillar diesel engine	
BE04	LTN6KV-5200002722, Compact Light Tower - 4-lamps, Kubota diesel eng, Vertical Mast	
BE05	LTN8KV5200002727, Compact Light Tower - 4-lamps, Kubota diesel eng, Vertical Mast	
BE06	LTN6C-P-0620298, Compact Light Tower - 4-lamps, Caterpillar diesel eng. & power winch	
BE07	LTW6K-0620372, Wide Body, 6 kW Light Tower - 4-lamps, Kubota diesel engine	
BE08	LTW8K-0620374, Wide Body, 8 kW Light Tower - 4-lamps, Kubota diesel engine	
BE09	LTW20Z-0620375, Wide Body, 20 kW Light Tower - 4-lamps, Kubota diesel engine	
BE10	LTW6KV-5200012864, Wide Body, 6 kW Light Tower - 4-lamps, Kubota diesel eng Vertical Mast	
BE11	LTW8KV-5200012865, Wide Body, 8 kW Light Tower - 4-lamps, Kubota diesel eng Vertical Mast	
BE12	LTW20Z-1-5200012866, Wide Body, 20 kW Light Tower - 4-lamps, Kubota diesel eng Vertical Mast	
F. Godwin		
BF01	Model GLT 416 Portable Light Tower, 6 kW output, Mitsubishi L3E, 30 gallon fuel capacity, 4,000 Watts, 5-7 acre coverage	
BF02	Model GLT 416-K Portable Light Tower, 6 kW output, Kubota D905, 30 gallon fuel capacity, 4,000 Watts, 5-7 acre coverage	
BF03	Model GLT 416-ALC Portable Light Tower, Programable to run at desired time, 6 kW output, Mitsubish L3E, 30 gallon fuel capacity, 4,000 Watts, 5-7 acre coverage	
G. Terex		

BG01	Model RL 4 Portable Light Tower, 6 kW output, Kubota diesel, 30 gallon fuel capacity, 4,000 Watts metal halide lights round, 5-7 acre coverage	
BG02	Model AL 4 Heavy-duty Portable Light Tower, 6 kW output, Kubota diesel, 30 gallon fuel capacity, 4,000 Watts metal halide lights, cast aluminium horizontal mounted, 7 ½ acre coverage, 3,500 lbs heavy-duty axle rating	
BG03	Model AL 5 Internal Storage Portable Light Tower, 8 kW output, Kubota diesel, 30 gallon fuel capacity, 4,000 Watts metal halide lights, 7½ acre coverage, 3,500 lbs Heavy-duty axle	
BG04	Model AL4L, Battery powered LED light tower offer silent operation and zero emissions making them ideal for sensitive applications, both indoor and out. 1,080 Watts of light from 4 x 270 Watt LED panels,Up to 10 hours of silent emission free operation with battery powered option	
BG05	Model AL5L, Four LED light panels provide crisp, clean light, Up to 10 hours of silent emission free operation,Instant on and off capabilities, 50,000 hour bulb life and tool free adjustment for increased uptime,Reliable Kubota engine and 8kW generator capable of charging up to three battery-powered AL™4L units,Durable 30 ft (9.14 m) galvanized mast with single self-braking winch design, 359° non-continuous tower rotation and retractable mast cable	
BG06	Model AL5HT, features a hydraulic articulating tower with the option for up to 8,000 Watts of light, 4,000 Watts of light from 4 x 1000 Watt metal halide lamps, Reliable Kubota engine and 8kW generator, Up to 20kW generator option with plenty of extra power to run additional tools and equipment, Rotating and articulated hydraulic mast reaches out to the front, back and sides for additional flexibility	
H. Multiquip		
BH01	MLTDA7, Modular Light Tower, Generator, 7kW output, diesel engine, 30 gallon fuel capacity, 4,000 Watts metal-halide,5-7 acre coverage.	
BH02	MLTSDW7, Modular Light Tower,Generator/Welder, 7kW output, 225 Welder amp, diesel engine, 30 gallon fuel capacity, 4,000 Watts metal-halide,5-7 acre coverage.	
BH03	LT12D, Night Hawk Light Tower, 6kW output, diesel engine, 30 gallon fuel capacity, 4,000 Watts metal-halide,5-7 acre coverage.	
BH04	LT6K Light Tower 6Kw 60Hz 4Kw Lites Kohler	
BH05	LT6K5 Light Tower 6Kw 50Hz 4Kw Lites Kohler	
BH06	LT6KV Light Tower Vert Mast 6Kw 60Hz Kohler	
BH07	LT6K5V Light Tower Vert Mast 6Kw 50Hz Kohler	
BH08	MLTCAM TRAILER ASM MLT CAMERA MOUNT	
BH09	MLT Light Tower Modular less power source	
BH10	MLTDA72 Modular Light Tower w/ DA7000SSA2 Genset	
BH11	MLT20H Light Tower MLTH DCA20SPXU4CAN 4 Lite	
BH12	MLT20E Light Tower MLTE DCA20SPXU4CAN 4 Lite	
BH13	MLT20H6 Light Tower MLTH DCA20SPXU4CAN 6 Lite	

BH14	MLT20E6 Light Tower MLTE DCA20SPXU4CAN 6 Lite	
BH15	GBC Light Balloon 4-whl Cart 1KW E-ballast	
BH16	GBP Light Balloon Lamp ONLY 1KW E-ballast	
BH17	GBS Light Balloon EquipMount 1KW E-ballast	
BH18	GBW Light Balloon Penta Stand 1KW E-ballast	
BH19	GB12BP Light Balloon Lamp ONLY 400W E-Ballas	
BH20	GB12BS Light Balloon Off Set Pole 400 W Light	
BH21	GB12BW Light Balloon Tripod 400 Watt Light	
BH22	GB2000 Light Balloon for Light Towers 2000W	
BH23	GB43SC Light Balloon 4-Spot 400W ea 4-whl cart	
BH24	GB4000 Light Balloon 4000W for Light Towers	

C. Scissor / Personnel & Self-Propelled Vertical Lifts

Product Code	Model/Description	Bid Price
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A.Genie Industries

CA01	GS-1530, 21ft Working Height, 600 lbs Lift Capacity, Electric Scissor Lift	
CA02	GS-1930, 25 ft Working Height, 500 lbs Lift Capacity, Electric Scissor Lift	
CA03	GS-2032, 26 ft Working Height, 800 lbs Lift Capacity, Electric Scissor Lift	
CA04	GS-2632, 32 ft Working Height, 500 lbs Lift Capacity, Electric Scissor Lift	
CA05	GS-3232, 38 ft Working Height, 500 lbs Lift Capacity, Electric Scissor Lift	
CA06	GS-2046, 26 ft Working Height, 1,200 lbs Lift Capacity, Electric Scissor Lift	
CA07	GS-2646, 32 ft Working Height, 1,000 lbs Lift Capacity, Electric Scissor Lift	
CA08	GS 2646 AV, 32 ft 6 in working Height, 900 lbs Lift Capacity.	
CA09	GS-3246, 38 ft Working Height, 700 lbs Lift Capacity, Electric Scissor Lift	
CA10	GS 2669 DC, 32 ft Working Height, 1500 lbs Lifting Capacity, Electric Scissor Lift	
CA11	GS 2669 BE Hybrid,Featuring operator selectable generator or electric-only operation, 32 ft Working Height, 1500 lbs Lift Capacity	
CA12	GS 2669 RT, Rough Terrain Scissor Lift, 32 ft Working Height, 1500 lbs Lift Capacity, GAS	
CA13	GS 3369 DC, 39 ft Working Height, 1000 lbs Lifting Capacity, Electric Scissor Lift	
CA14	GS 3369 BE Hybrid, Featuring operator selectable generator or electric-only operation, 39 ft Working Height, 1000 lbs Lift Capacity	
CA15	GS 3369 RT, Rough Terrain Scissor Lift, 39 ft Working Height, 1000 lbs. Lift Capacity, GAS	
CA16	GS 4047 DC, 45 ft Working Height, 550 lbs Lifting Capacity, Electric Scissor Lift	
CA17	GS 4069 DC, 46 ft Working Height, 800 lbs Lifting Capacity, Electric Scissor Lift	
CA18	GS 4069 BE, Hybrid, Featuring operator selectable generator or electric-only operation, 46 ft working height, 800 lbs. lift capacity	

CA19	GS 4069 RT, Rough Terrain Scissor Lift, 46 ft working height, 800 lbs lift capacity, GAS	
CA20	GS-3384 RT, 39 ft Working Height, 2,500 lbs Lift Capacity, Rough Terrain Scissor Lift	
CA21	GS-3390 RT, 39 ft Working Height, 2,500 lbs Lift Capacity, Rough Terrain Scissor Lift, oscillating axle	
CA22	GS-4390 RT, 49 ft Working Height, 1,500 lbs Lift Capacity, Rough Terrain Scissor Lift	
CA23	GS-5390 RT, 59 ft Working Height, 1,500 lbs Lift Capacity, Rough Terrain Scissor Lift, automatic leveling hydraulic outriggers	
CA24	AWP-20S AC, 26 ft 1 in Working Height, 350 lbs Lift Capacity	
CA25	AWP-25S AC, 30 ft 10 in Working Height, 350 lbs Lift Capacity	
CA26	AWP-30S AC, 35 ft 6 in Working Height, 350 lbs Lift Capacity	
CA27	AWP-36S AC (tilt-back frame included), 42 ft 5 in Working Height, 350 lbs Lift Capacity	
CA28	AWP-40S AC (tilt-back frame included), 46 ft 4 in Working Height, 300 lbs Lift Capacity	
CA29	IWP-20S AC, Standard Base, 26 ft 6 in Working Height, 350 lbs Lift Capacity	
CA30	IWP-25S AC, Standard Base, 30 ft 5 in Working Height, 350 lbs Lift Capacity	
CA31	IWP-30S AC Wide Base, 35 ft 6 in Working Height, 350 lbs Lift Capacity	
CA32	DPL-25S AC, 31 ft 4 in Working Height, 750 lbs Lift Capacity	
CA33	DPL-30S AC, 36 ft Working Height, 750 lbs Lift Capacity	
CA34	DPL-35S AC, 40 ft 10 in Working Height, 600 lbs Lift Capacity	
CA35	GR-12, 17 ft 5 in Working Height, 500 lbs Lift Capacity	
CA36	GR-15, 20 ft 8 in Working Height, 500 lbs Lift Capacity	
CA37	GR-20, 25 ft 11 in Working Height, 350 lbs Lift Capacity	
CA38	GRC-12, Run about Contractor, 18 ft working height, 500 lbs. lift capacity	
CA39	QS-12, Quick Stock, Working Height 17 ft 5 in, 500 lbs Lift Capacity	
CA40	QS-15, Quick Stock, Working Height 20 ft 8 in, 500 Lift Capacity	
CA41	QS-20, Quick Stock, Working Height 25 ft 11 in, 350 Lift Capacity	
CA42	GR-26 J, Run About with Jib, 31 ft Working Height, 500 lbs Lift Capacity	
B. JLG		
CB01	1930ES, 19' Platform Height, Electric Pro-Fit Scissor Lift - 500# Capacity	
CB02	1932E2, 19' Compact Electric Scissor Lift	
CB03	2030ES, 20' Platform Height, Electric Pro-Fit Scissor Lift - 800# Capacity	
CB04	2032E2, 20' Compact Electric Scissor Lift	
CB05	2630ES, 26' Platform Height, Electric Pro-Fit Scissor Lift - 500# / 800# Capacity	
CB06	2646ES, 26' Platform Height, Electric Pro-Fit Scissor Lift - 1000# Capacity	
CB07	3246ES, 32' Platform Height, Electric Pro-Fit Scissor Lift - 700# /1000# Capacity	
CB08	3369LE, 33' Platform Height, Electric Le Series Scissor Lift - 1000# Capacity	
CB09	4069LE, 40' Platform Height, Electric Le Series Scissor Lift - 800# Capacity	
CB10	260MRT, 26' Platform Height Rough Terrain Scissor Lift, Diesel (4WD)	
CB11	3394RT, 33' Platform Height Rough Terrain Scissor Lift, Diesel (2WD)	
CB12	4394RTS, 43' Platform Height Rough Terrain Scissor Lift, Diesel (4WD)	
CB13	500RTS, 50' High Reach Rough Terrain Scissor Lift	
C. Lift-A-Loft		
CC01	Model AMV-36 Self-Propelled Vertical Lift, 20'-24' Platform Height, 4'-6" Reach	
CC02	Model VAL15/28-H Self-Propelled Vertical Lift, 15'-5" Platform Height, 4'-1" Reach	
CC03	Model RAL Self-Propelled Vertical Lift, 25'-36' Platform Height, 8'-7" Reach	
CC04	Model AMR-40 Self-Propelled Vertical Lift, 22'-4" Platform Height, 8'-7" Reach	
CC05	Model MCL-36 Self-Propelled Vertical Lift, 19'-30' Platform Height, 10-9" Reach	
CC06	Model LAL Self-Propelled Vertical Lift, 34'-65' Platform Height, 15'-22' Reach	

D. Skyjack		
CD01	SJIII-3215, 15' Platform Height, Compact Scissor Lift - 600# Capacity, Electric	
CD02	SJIII-3219, 19' Platform Height, Compact Scissor Lift - 550# Capacity, Electric	
CD03	SJ111-4832, 32' Platform Electric Scissor Lift	
CD04	SJ 3220, 20' Platform Height, Conventional Scissor Lift - 900# Capacity, Electric	
CD05	SJ 3226, 26' Platform Height, Conventional Scissor Lift - 500# Capacity, Electric	
CD06	SJ 4620, 20' Platform Height, Conventional Scissor Lift - 1300# Capacity, Electric	
CD07	SJ 4626, 26' Platform Height, Conventional Scissor Lift - 1000# Capacity, Electric	
CD08	SJ 4632, 32' Platform Height, Conventional Scissor Lift - 700# Capacity, Electric	
CD09	SJ 6826, 26' Platform Height, Conventional Scissor Lift - 120# Capacity, Electric	
CD10	SJ 6832, 32' Platform Height, Conventional Scissor Lift - 850# Capacity, Electric	
CD11	SJ 6826 RT, 26' Platform Height, Compact rough Terrain Scissor Lift - 1250 # Capacity, Gas	
CD12	SJ 6832 RT, 32' Platform Height, Compact Rough Terrain Scissor Lift - 1000 # Capacity, Gas	
CD13	SJ 7127 RT, 27' Platform Height, Mid-Size Rough Terrain Scissor Lift - 1500# Capacity, Gas	
CD14	SJ 7135 RT, 35' Platform Height, Mid-Size Rough Terrain Scissor Lift - 1000# Capacity, Gas	
CD15	SJ 8243 RT, 43' Platform Height, Mid-Size Rough Terrain Scissor Lift - 1000# Capacity, Gas	
CD16	SJ 8850 RT, 50' Platform Height, Mid-Size Rough Terrain Scissor Lift - 800# Capacity, Gas	
CD17	SJ 8831 RT, 31' Platform Height, Full-Size Rough Terrain Scissor Lift - 2500# Capacity, Gas	
CD18	SJ 8841 RT, 41' Platform Height, Full-Size Rough Terrain Scissor Lift - 1500# Capacity, Gas	
CD19	SJ 9250 RT, 50' Platform Height, Full-Size Rough Terrain Scissor Lift - 2000# Capacity, Gas	
E. Haulotte Group		
CE01	1930E Optimum 18' 11" Electric Scissor Lift	
CE02	2032E Compact 20' 3" Electric Scissor Lift	
CE03	2632E Compact 26' 3" Electric Scissor Lift	
CE04	2747E Compact 26' 9" Electric Scissor Lift	
CE05	3347E Compact 32' 10" Electric Scissor Lift	
CE06	Compact 2668 RT Rough Terrain 26' 11" Scissor Lift	
CE07	Compact 3368 RT Rough Terrain 33' 4" Scissor Lift	
CE08	HS 3388 RT Rough Terrain 32' 10" Scissor Lift	
CE09	HS4388 RT Rough Terrain 42' 8" Scissor Lift	
CE10	HS 5388 RT Rough Terrain 52' 6" Scissor Lift	
CE11	XLT C.A.T. 23 - DC Manual Vertical Lift 23' 7" Platform Height	
CE12	XLT C.A.T. 23 - AC Manual Vertical Lift 23' 7" Platform Height	
CE13	Quick Up 15 Personnel Vertical Lift 14' 9" Platform Height	
CE14	Quick Up 20 Personnel Vertical Lift 19' 4" Platform Height	
CE15	Quick Up 24 Personnel Vertical Lift 23' 11" Platform Height	
CE16	Quick Up 29 Personnel Vertical Lift 28' 7" Platform Height	
CE17	Quick Up 33 Personnel Vertical Lift 32' 10" Platform Height	
CE18	Quick Up 35 Personnel Vertical Lift 35' 5" Platform Height	
CE19	Quick Up 40 Personnel Vertical Lift 39' 1" Platform Height	
CE20	HM13 - Star 13 - 13' 1" Self-Propelled Vertical Lift	
CE21	HM22J - Star 22 - 20' 4" Self-Propelled Vertical Lift	
CE22	HM26J - Star 26 - 26' 3" Self-Propelled Vertical Lift	
D. Telescopic / Articulating Boom Lifts		
Product Code	Model/Description	Bid Price
A. Genie Industries		

DA01	TZ-34/20, Trailer Mounted Z Boom, 40' Working Height, 18'-4" Horizontal Reach, 500 lbs Lift Capacity	
DA02	TZ-50 DC, Trailer Mounted Z Boom, 55'-6" Working Height, 29'-2" Horizontal Reach, 500 lbs Lift Capacity	
DA03	S-40, 2WD, Telescopic Boom Lift, 46' Working Height, 31'- 8" Horizontal Reach, 500 lbs Lift Capacity	
DA04	S-45, With Jib, 2WD Telescopic Boom Lift, 51' Working Height, 36'- 8" Horizontal Reach, 500 lbs Lift Capacity	
DA05	S-60 X, 2WD, Telescopic Boom Lift, 66' Working Height, 50'- 10" Horizontal Reach.	
DA06	S-65, With Jib, 2WD, Telescopic Boom Lift, 71' Working Height, 56'- 2" Horizontal Reach.	
DA07	S-60XC - 2WD, Telescopic Boom Lift, 66' Working Height, 50'-10" Horizontal Reach,	
DA08	S-80 X, 2WD, Telescopic Boom Lift, 86' Working Height, 71'-6" Horizontal Reach.	
DA09	S-85, With Jib, 2WD, Telescopic Boom Lift, 91' Working Height, 76'-6" Horizontal Reach.	
DA10	S-100, Telescopic Boom Lift, 106' Working Height, 75' Horizontal Reach.	
DA11	S-105 With Jib, Telescopic Boom Lift, 111' Working Height, 80' Horizontal Reach.	
DA12	S-120, Telescopic Boom Lift, 126' Working Height, 75' Horizontal Reach.	
DA13	S-125 With Jib, Telescopic Boom Lift, 131' Working Height, 80' Horizontal Reach.	
DA14	SX-150 Telescopic Boom Lift, 158 ft Working Height, 80 ft Horizontal Reach	
DA15	SX 180, Telescopic Boom Lift, 186' Working Height, 80' Horizontal Reach	
DA16	Z-30/20N with Jib, Articulating Z Boom Lift, 36' Working Height, 21'-5" Horizontal Reach.	
DA17	Z-33/18, Articulating Z Boom Lift, 38' Working Height, 18ft 3in Horizontal Reach.	
DA18	Z-34/22 Articulating Z Boom Lift, Electric, 68" wide, with industrial air-filled tires, 40'-6" Working Height, 22'-3" Horizontal Reach.	
DA19	Z-34/22N Articulating Boom Lift, Electric, 58" wide, with solid rubber non-marking tires, 40'-6" Working Height 22'-3" Horizontal Reach	
DA20	Z34/22 IC, Articulating Z Boom Lift, Diesel Enging, 40 ft 6 in Working Height, 22 ft 3 in Horizontal Reach, 14 ft 11 in Up & Over	
DA21	Z-40/23N with Jib, Articulating Z Boom Lift, 46'-5" Working Height, 22'-8" Horizontal Reach	
DA22	Z-45/25 DC, Articulating Z Boom Lift, 51'-6" Working Height, 25' Horizontal Reach	
DA23	Z-45/25 Bi-Energy Model (incldues BCI), Articulating Z Boom Lift, 51'-6" Working Height, 25' Horizontal Reach	
DA24	Z-45/25, 2WD, RT, Articulating Z Boom Lift, 51'-11" Working Height, 25' Horizontal Reach.	
DA25	Z-60/34, with jib, 2WD, Articulating Z Boom Lift, 66'-4" Working Height, 36'-3" Horizontal Reach.	
DA26	Z-60/37 DC, Articulating Z Boom Lift, Working Hieght 65'-7", Horizontal Reach 36'-7"	
DA27	Z-60/37 EF, Fuel Electric Hybrid, Articulating Z Boom, Working Height 65'-7"	
DA28	Z62/40 , Articulating Z Boom Lift, 67'-11" Working Height, 40"-11" Horizontal Reach	

DA29	Z-80/60 with Jib, 2WD, Articulating Z Boom Lift, 84' Working Height, 60' Horizontal Reach.	
DA30	Z-135/70, 4WD with 4 wheel steering, Articulating Z Boom Lift, 141' Working Height, 69'-9" Horizontal Reach.	
B. JLG		
DB01	Model E300AJ, Electric Articulating Boom Lift, 30' Platform Height, 500# Capacity.	
DB02	Model E400A, Electric Telescopic Boom Lift, 40' Platform Height, 500 lb. Capacity.	
DB03	Model E400A (Narrow), Electric Telescopic Boom Lift, 40' Platform Height, 500 lb. Capacity.	
DB04	Model M400A, Electric Telescopic Boom Lift, 40' Platform Height, 500 lb. Capacity.	
DB05	Model M400A (Narrow), Electric Telescopic Boom Lift, 40' Platform Height, 500 lb. Capacity.	
DB06	Model 600S, Telescopic Boom Lift, 60' Platform Height, 500 lb. Capacity.	
DB07	Model 800S, Telescopic Boom Lift, 80' Platform Height, 500 lb. Capacity.	
DB08	Model E450A, Electric Articulating Boom Lift, 45' Platform Height, 500 lb. Capacity.	
DB09	Model M450A, Electric Articulating Boom Lift, 45' Platform Height, 500 lb. Capacity.	
DB10	Model 450 Series II, Articulating Boom Lift, 2WD Diesel, 45' Platform Height, 500 lb.	
DB11	Model 450 Series II, Articulating Boom Lift, 4WD Diesel, 45' Platform Height, 500 lb.	
DB12	Model 600A, Articulating Boom Lift, 2WD Diesel, 60' Platform Height, 500 lb. Capacity.	
DB13	Model 600A, Articulating Boom Lift, 4WD Diesel, 60' Platform Height, 500 lb. Capacity.	
DB14	Model 740AJ, Fall Arrest Aerial Device, 74' Platform Height, 500# Capacity.	
DB15	Model 800A, Articulating Boom Lift, 80' Platform Height, 500 lb. Capacity.	
DB16	Model 1250AJP, Ultra Series Articulated Boom, 4WD Diesel, 125' Platform Height, 500/1000#	
DB17	Model 10-VP Self-Propelled Vertical Lift, 10'-6" Platform Height	
DB18	Model 15-VP Self-Propelled Vertical Lift, 15' Platform Height	
DB19	Model 10-VPSP Self-Propelled Vertical Lift, 15'-4" Platform Height	
DB20	Model 20-VP Self-Propelled Vertical Lift, 19'-9" Platform Height	
DB21	Model 20-DVL Self-Propelled Vertical Lift, 19'-6" Platform Height	
DB22	Model 15-DVSP Self-Propelled Vertical Lift, 15' Platform Height	
DB23	Model 15-DVL Self-Propelled Vertical Lift, 15' Platform Height	
C. Haulotte/Bil-Jax Group		
DC01	HA33 JE - 32' 10" Electric Articulating Boom Lift	
DC02	HA43 JE - 42' 8" Electric Articulating Boom Lift	
DC03	HA 46 JRT Rough Terrain 45' 11" Articulating Boom Lift	
DC04	HA51 JRT Rough Terrain 50' 2" Articulating Boom Lift	
DC05	HA61 JRT Rough Terrain 61' 2" Articulating Boom Lift	
DC06	HA80 JRT Rough Terrain 77' 5" Articulating Boom Lift	
DC07	HA100 JRT Rough Terrain 97' 9" Articulating Boom Lift	
DC08	HA130 JRT Rough Terrain 129' 7" Articulating Boom Lift	
DC09	HB 40 4WD 39' 4" Telescopic Boom Lift	
DC10	HB44J 4WD 44' 1" Telescopic Boom Lift	
DC11	HB62 4WD 61' 8" Telescopic Boom Lift	
DC12	HB68J 4WD 67' 7" Telescopic Boom Lift	
DC13	HB76J 4WD 76' 5" Telescopic Boom Lift	
DC14	36XT - 37' 6" Self-Propelled Boom Lift	
DC15	45XA - 45' Self-Propelled Boom Lift	
DC16	2622T - 26' 6" Telescopic Towable Boom Lift	
DC17	3632T - 36' 5" Telescopic Towable Boom Lift	
DC18	4642T - 46' 4" Telescopic Towable Boom Lift	
DC19	3522A - 36' 2" Articulating Towable Boom Lift	
DC20	4527A - 45' 8" Articulating Towable Boom Lift	
DC21	5533A - 55' 3" Articulating Towable Boom Lift	

E. Trench Shoring Equipment		
Product Code	Model/Description	Bid Price
A. Improved Construction Methods		
EA01	8M416, Trench Shield 8" Sidewalls, 4' H x 16' L, 16" pipe clearance, 5157 lbs., 3022 (lbs.) PSF Shield Capacity (Optional models available up to 10' H x 28' L, 76" pipe clearance, 16,563 lbs., 906 (lbs.) PSF Shield Capacity)	
EA02	8H416, Trench Shield 8" Sidewalls, 4' H x 16' L, 16" pipe clearance, 5830 lbs., 4104 (lbs.) PSF Shield Capacity (Optional models available up to 10' H x 28' L, 76" pipe clearance, 19,403 lbs., 1258 (lbs.) PSF Shield Capacity)	
EA03	8 DS Spreader Sets for use on 8M, 8H shields (8" Schedule 80 Pipe)	
EA04	6M416, Trench Shield 6" Sidewalls, 4' H x 16' L, 16" pipe clearance, 4575 lbs., 2164 (lbs.) PSF Shield Capacity (Optional models available up to 10' H x 28' L, 76" pipe clearance, 15,217 lbs., 649 (lbs.) PSF Shield Capacity)	
EA05	6H416, Trench Shield 6" Sidewalls, 4' H x 16' L, 16" pipe clearance, 5255 lbs., 3025 (lbs.) PSF Shield Capacity (Optional models available up to 10' H x 28' L, 76" pipe clearance, 18,070 lbs., 912 (lbs.) PSF Shield Capacity)	
EA06	8 DS Spreader Sets for use on 6M, 6H shields (8" Schedule 80 Pipe)	
EA07	4L46SW, Trench Shield 4" Sidewalls, 4' H x 6' L, 16" pipe clearance, 1573 lbs., 3319 (lbs.) PSF Shield Capacity (Optional models available up to 8' H x 16' L, 48" pipe clearance, 5616 lbs., 881 (lbs.) PSF Shield Capacity)	
EA08	4M412, Trench Shield 4" Sidewalls, 4' H x 12' L, 16" pipe clearance, 3265 lbs., 2522 (lbs.) PSF Shield Capacity (Optional models available up to 10' H x 24' L, 76" pipe clearance, 11,921 lbs., 563 (lbs.) PSF Shield Capacity)	
EA09	8 DS Spreader Sets for use on 4L, 4M shields (8" Schedule 80 Pipe)	
EA10	3L46, Trench Shield 3" Sidewalls, 4' H x 6' L, 24" pipe clearance, 621 lbs., 1141 (lbs.) PSF Shield Capacity (Optional models available up to 8' H x 12' L, 24" pipe clearance, 2205 lbs., 256 (lbs.) PSF Shield Capacity)	
EA11	3M46SW, Trench Shield 3" Sidewalls, 4' H x 6' L, 24" pipe clearance, 967 lbs., 2219 (lbs.) PSF Shield Capacity (Optional models available up to 8' H x 12' L, 51" pipe clearance, 3403 lbs., 423 (lbs.) PSF Shield Capacity)	
EA12	3SQ Spreader Sets for use on 3L Series(Square Tubing)	
EA13	5 DS Spreader Sets for use on 3M Series(5" Schedule 80 Pipe)	
EA14	2AEX-66 Aluminum Trench Shield, 6' H x 6' L, 724 lbs. (Optional models available up to 8' H x 12' L, 1647 lbs.)	
EA15	4AEX-68 Aluminum Trench Shield, 6' H x 8' L, 1438 lbs. (Optional models available up to 8' H x 16' L, 3197 lbs.)	
EA16	MH8SW Manhole Shield, 8' H x 8' W x 8' L, 45" pipe clearance, 3565 lbs., 707 (lbs.) PSF Shield Capacity (Optional models available up to 4' H x 10' W x 10' L, 2500 lbs., 536 (lbs.) PSF Shield Capacity)	
EA17	RMH Round Manhole Shield, 8.5' diameter, 4' H, 45" pipe clearance, 1097 lbs., 1920 (lbs.) PSF Shield Capacity (Optional models available up to 10' diameter, 8' H, 1936 lbs., 1862 (lbs.) PSF Shield Capacity)	
EA18	HS-5x5-2640 Aluminum Hydraulic Shield, 5' H x 5' L, 720 lbs., 29" - 43" Range (Optional models available up to 8' H x 12' L, 1903 lbs., 59" - 95" Range)	
B. Speed Shore		
EB01	4' H x 8' L Steel Trench Shield (Optional models available up to 4' H x 32' L)	
EB02	6' H x 6' L Steel Trench Shield (Optional models available up to 6' H x 32' L)	
EB03	8' H x 6' L Steel Trench Shield (Optional models available up to 8' H x 32" L)	
EB04	10' H x 10' L Steel Trench Shield (Optional Models available up to 10' H x 24' L)	
EB05	4' H x 8' L Aluminum Aps Shield (Optional 4' H x 12' L model available)	

EB06	5' H x 5' L Aluminum Aps Shield	
EB07	6' H x 6' L Aluminum Aps Shield (Optional models available up to 6' H x 14' L)	
EB08	8' H x 6' L Aluminum Aps Shield (Optional models available up to 8' H x 16' L)	
EB09	26" - 36" Static Spreader (Optional spreaders available up to 60" - 96")	
EB10	6' H x 6' L Aluminum Hydraulic Shield (Optional models available up to 6' H x 10' L)	
EB11	8' H x 8' L Aluminum Hydraulic Shield (Optional models available up to 8' H x 12' L)	
EB12	10' H x 10' L Aluminum Hydraulic Shield (Optional 10' H x 12' L model available)	
EB13	26" Hydraulic Spreader (Optional spreaders available up to 92")	
EB14	Round Mangaurd, 6' x 4' H (Option models available up to 10' x 8' H)	
EB15	V-1.5 - 27 Aluminum Vertical Single Shore (Optional models available up to V-1.5 - 88)	
EB16	V-1.5 - 88/24 Aluminum Vertical Single Shore (Optional models available up to V-1.5 - 88/56)	
EB17	V-3.5 - 27 Aluminum Vertical Shore, Double Cylinder (Optional models available up to V-3.5 - 88)	
EB18	V-3.5 - 88/24 Aluminum Vertical Shore, Double Cylinder (Optional models available up to V-3.5 - 88/56)	
EB19	V-5 - 27 Aluminum Vertical Shore, Double Cylinder (Optional models available up to V-5 - 88)	
EB20	V-5 - 88/24 Aluminum Vertical Shore, Double Cylinder (Optional models available up to V-5 - 88/56)	
EB21	V-7 - 27 Aluminum Vertical Shore, Double Cylinder (Optional models available up to V-7 - 88)	
EB22	V-7 - 88/24 Aluminum Vertical Shore, Double Cylinder (Optional models available up to V-7 - 88/56)	

F. Portable "Self-Priming" Trash Pumps

Product Code	Model/Description	Bid Price
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A. Godwin

FA01	Model GTP-50HX, 2" Trash Pump driven by Honda 5.5 Hp gasoline engine, Solids handling 1"	
FA02	Model GTP-80HX, 3" Trash Pump driven by Honda 8.0 Hp gasoline engine, Solids handling 1.5"	
FA03	Model GTP-100HX, 4" Trash Pump driven by Honda 11 Hp gasoline engine, Solids handling 2"	

B. Gorman-Rupp

FB01	Model 12D-GX160, 2" x 2" Heavy Duty Trash Pump, Double Grease Seal, Gasoline Engine, Passes a 1-3/16" Solid, Shut-Off Head is 116', 185 GPM Flow Rate	
FB02	Model 13D-GX270, 3" x 3" Heavy Duty Trash Pump, Double Grease Seal, Gasoline Engine, Passes a 1-1/2" Solid, Shut-Off Head is 102', 400 GPM Flow Rate	
FB03	Model T4A60S-4LE2T FT4 Isuzu, 4" x 4" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Final Tier 4 "Flex" Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 145', 810 GPM Max Flow Rate. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
FB04	Model T4A60S-4LE2T FT4-ESP (Enclosed Silent Package) Isuzu, 4" x 4" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 145', 810 GPM Max Flow Rate. Pump & Engine mounted on a full containment base with a "sound-attenuated" aluminum enclosure. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	

FB05	Model T4A60S-F3L Deutz, 4" x 4" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Interim Tier 4 "Flex" Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 145', 810 GPM Max Flow Rate. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
FB06	Model T6A60S-4LE2X FT4 Isuzu, 6" x 6" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 152', 1650 GPM Flow Rate. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
FB07	Model T6A60S-4LE2X FT4-ESP (Enclosed Silent Package) Isuzu, 6" x 6" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 152', 1650 GPM Max Flow Rate. Pump & Engine mounted on a full containment base with a "sound-attenuated" aluminum enclosure. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
FB08	Model T6A60S-F4L Deutz, 6" x 6" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Interim Tier 4 "Flex" Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 152', 1650 GPM Max Flow Rate. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
FB09	Model T8A60S-4045H John Deere, 8" x 8" Heavy Duty Trash Pump, Mechanical Oil Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 140', 2900 GPM Flow Rate. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
FB10	Model T10A60S-6068H 10" x 10" Heavy Duty Trash Pump, Mechanical Oil Lube-Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 175', 3750 GPM Flow Rate. Options Available: DOT Wheel-Kit and Eradicator® Solids Management System	
C. Honda		
FC01	Model WT20X4K 2" Trash Pump driven by Honda 5.5 HP Gasonline Engine, Solids Handling 1"	
FC02	Model WT30X4K 3" Trash Pump driven by Honda 8.0 HP Gasonline Engine, Solids Handling 1.5"	
FC03	Model WT40X3K 4" Trash Pump driven by Honda 11 HP Gasonline Engine, Solids Handling 2"	
D. Koshin		
FD01	STV-50X 2" SEMI-TRASH, KOSHIN K180	
FD02	STH-50X 2" SEMI-TRASH, HONDA GX120	
FD03	STV-80X 3" SEMI-TRASH, KOSHIN K180	
FD04	STH-80X 3" SEMI-TRASH, HONDA GX160	
FD05	STH-100X 4" SEMI-TRASH, HONDA GX240	
FD06	KTH-50X 2" TRASH, HONDA GX160	
FD07	KTH-80S 3" TRASH, HONDA GX270	
FD08	KTH-100S 4" TRASH, HONDA GX390	
FD09	KTH-150 6" TRASH, HONDA GX660	
FD10	KTD-150 6" TRASH, YANMAR 3TNM72 DIESEL	
FD11	SERH-50B 2" HIGH PRESSURE, HONDA GX160	

FD12	KDP-50X 2" DIAPHRAM, HONDA GX120	
FD13	KDP-80XW 3" DIAPHRAM, HONDA GX120	
E. Kohler		
FE01	Model PFP-20HPKHL-MR , Kohler 20hp at 3600 RPM, gasoline engine, single stage centrifugal pump, one 1 1/2" delivery outlet with 1/4-turn ball valve, one 2 1/2" suction inlet, flow 300 gpm	
FE02	Model PFP-27HP-HV, Kohler 27hp at 3600 RPM, gasoline engine, single stage centrifugal pump, two 2 1/2" delivery outlet with 1/4- turn ball valve, one 4" suction inlet, flow 700 gpm. <u>Note: Accessories such as water hoses 1.75", 2.5"& 3" DJ PF 800 any color coupled, plus lowside self supporting tank 500-5000 gallons or HD/Rubber tank 25-50,000 gallons or containment pools 25 to 100 gallons to be bid as options on Form E.</u>	
F. Kubota		
FF01	Model PFP-21HP-DSL-MR , Kubota developing 21hp at 3600 RPM, diesel engine, single centrifugal pump, one 1 1/2" delivery outlet, one 2 1/2" suction inlet, flow 300 gpm. <u>Note: Accessories such as water hoses 1.75", 2.5"& 3" DJ PF 800 any color coupled, plus lowside self supporting tank 500-5000 gallons or HD/Rubber tank 25-50,000 gallons or containment pools 25 to 100 gallons to be bid as options on Form E.</u>	
G. Magnum Power Products		
FG01	Model MTP4SZ 4"x4" Heavy Duty, Wet Prime Pump, 900 GPM Max, 150' TDH Max, 3" Solids Handling, 49 HP Deutz TD 2.9 L4 Tier 4 Final Approved Diesel Engine, 110 Gal Fuel Tank, DOT Trailer Mounted	
FG02	Model MTP6SZ 6"x6" Heavy Duty, Wet Prime Pump, 1680 GPM Max, 170 TDH Max, 3" Solids Handling, 75 HP Deutz TD 2.9 L4 Tier 4 Final Approved Diesel Engine, 113 Gal Fuel Tank, DOT Trailer Mounted	
H. Multiquip		
FH01	QP2TH, Centrifugal Trash Pump, Honda Powered Engine, Passes a 1" Solid, Shut-Off Head is 98", 211 GPM Flow Rate	
FH02	QP3TH, Centrifugal Trash Pump, Honda Powered Engine, Passes a 1.5" Solid, Shut-Off Head is 95', 396 GPM Flow Rate	
FH03	QP4TH, Centrifugal Trash Pump, Honda Powered Engine, Passes a 2" Solid, Shut-Off Head is 92', 555 GPM Flow Rate	
FH04	QP2TZ, Centrifugal Trash Pump, Diesel Powered Engine, Passes a 1" Solid, Shut-Off Head is 95', 198 GPM Flow Rate	
FH05	QP3TZ, Centrifugal Trash Pump, Diesel Powered Engine, Passes a 1.5" Solid, Shut-Off Head is 90', 383 GPM Flow Rate	
FH06	QP4TZ, Centrifugal Diesel Powered Engine, Passes a 2" Solid, Shut-Off Head is 85', 526 GPM Flow Rate	
FH07	MQ62TDD, Centrifugal Trash Pump, Diesel Powered Engine, Passes a 2" Solid, Shut-Off Head is 100', 1,083 GPM Flow Rate	
FH08	MQ600TD80, Centrifugal Trash Pump, Diesel Powered Engine, Passes a 3" Solid, Shut-Off Head is 150', 1,600 GPM Flow Rate	
FH09	QP2H, 2" Centrifugal Pump w/Honda engine, 158 GPM Flow Rate	
FH10	QP303H, 3" Centrifugal Pump w/Honda engine, 245 GPM Flow Rate	
FH11	QP402H, 4" Centrifugal Pump w/Honda engine, 425 GPM Flow Rate	
FH12	QP205SH, 2" High Pressure Pump w/Honda engine, 106 GPM Flow Rate	

FH13	QPT205SLT, 2" High Pressure Pump w/Honda engine, 126 GPM Flow Rate	
FH14	QP305SLT, 3" High Pressure Pump w/Honda engine, 145 GPM Flow Rate	
FH15	MQD2H, 2" Diaphragm Pump w/Honda engine, 50 GPM Flow Rate	
FH16	MQD3H, 3" Diaphragm Pump w/Honda engine, 90 GPM Flow Rate	
I. Pioneer		
FI01	ES4O97L75-404D-22, 4"x4" Self Priming Pump w/ 9.75" Impeller, 36 HP@1800RPM Tier 4i Perkins Diesel Engine, Skid Mounted With Integral 85 Gallon Fuel Tank, Passes 3" Solids, 750 Max GPM, 115' Max TDH @ 1800RPM	
FI02	ES6O12L75-D914L04, 6"x6" Self Priming Pump w/ 11.5" Trimmed Impeller, 64 HP @ 1800 RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 85 Gallon Fuel Tank, Passes 3" Solids, 1715 Max GPM, 132' Max TDH @ 1800RPM	
FI03	P8O15L72-D914L06, 8"x8" Self Priming Pump w/ 12.75" Trimmed Impeller, 83 HP @ 2000 RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 108 Gallon Fuel Tank, Passes 3" Solids, 2820 Max GPM, 128' Max TDH @ 1550 RPM	
FI04	P10O15L72-D914L06 10"x10" Self Priming Pump w/ 14.75" Impeller, 83 HP @ 2000 RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 108 Gallon Fuel Tank, Passes 3" Solids, 4400 Max GPM, 150' Max TDH @ 1450 RPM	
J. Tohatsu		
FJ01	Model CET-Tohatsu V72 , 42hp at 5000RPM, gasoline engine, single stage centrifugal pump., one 2 1/2" delivery outlet, one 3" suction inlet, flow 475 gpm	
FJ02	Model CET-Tohatsu V82 , 55hp at 5000RPM, gasoline engine, single stage centrifugal pump., two 2 1/2" delivery outlet, one 4" suction inlet, flow 560 gpm. <u>Note: Accessories such as water hoses 1.75", 2.5"& 3" DJ PF 800 any color coupled, plus lowside self supporting tank 500-5000 gallons or HD/Rubber tank 25-50,000 gallons or containment pools 25 to 100 gallons are to be bid as options on Form E.</u>	
K. Vanguard		
FK01	Model PFP-26HP-DSL , Vanguard 26hp at 3600 RPM, diesel engine, two stage centrifugal pump, two 2 1/2" delivery outlets, one 4" suction inlet, flow 560gpm	
FK02	Model PFP-31HP-2D , Vanguard 31hp at 3600 RPM, gasoline engine, dual stage centrifugal pump, two 2 1/2" delivery outlet, one 4" suction inlet, 625 gpm. <u>Note: Accessories such as water hoses 1.75", 2.5"& 3" DJ PF 800 any color coupled, plus lowside self supporting tank 500-5000 gallons or HD/Rubber tank 25-50,000 gallons or containment pools 25 to 100 gallons are to be bid as options on Form E.</u>	
L. Volkswagen		
FL01	Model PFP-46HPVW-2D , Volkswagen 46hp at 3600 RPM, gasoline engine, dual stage centrifugal pump, two 2 1/2" delivery outlet, one 4" suction inlet, flow 670 gpm. <u>Note: Accessories such as water hoses 1.75", 2.5"& 3" DJ PF 800 any color coupled, plus lowside self supporting tank 500-5000 gallons or HD/Rubber tank 25-50,000 gallons or containment pools 25 to 100 gallons are to be bid as options on Form E.</u>	
M. Wacker		
FM01	PT2-0009318, 2" Centrifugal Trash Pump w/Wacker engine	
FM02	PT2A-0009092, 2" Centrifugal Trash Pump w/Honda engine	
FM03	PT2H-0009094, 2" Centrifugal Trash Pump w/Hatz engine	
FM04	PT3-0009321, 3" Centrifugal Trash Pump w/WM 4-cycle engine	
FM05	PT3A-0009098, 3" Centrifugal Trash Pump w/Honda engine	
FM06	PT3H-0009100, 3" Centrifugal Trash Pump w/Hatz engine	

FM07	PT6LT-5200017430, 6" Centrifugal Trash Pump w/Lombardini diesel engine, Trailer Mounted	
FM08	PT6LS-5200014741, 6" Centrifugal Trash Pump w/Lombardini diesel engine, Skid Mounted	
FM09	PG2-0009496, 2" Centrifugal Dewatering Pump w/Wacker engine	
FM10	PG2A-0007658, 2" Centrifugal Dewatering Pump w/Honda engine	
FM11	PG3-0009498, 3" Centrifugal Dewatering Pump w/Wacker engine	
FM12	PG3A-0007659, 3" Centrifugal Dewatering Pump w/Honda engine	
FM13	PTS4V-0620971: 3" Centrifugal Trash Pump w/electric start & Briggs & Stratton Vanguard engine	
N. Robin/Subaru		
FN01	PKV110-PKV10100401 1" Centrifugal, Robin/Subaru Gasoline Engine	
FN02	PKX220-PKX22000350 2" Centrifugal, Robin/Subaru Gasoline Engine	
FN03	PKX320-PKX320-00350 3" Centrifugal, Robin/Subaru Gasoline Engine	
FN04	PKX401-PKX40100363 4" Centrifugal, Robin/Subaru Gasoline Engine	
FN05	PKX220ST-PKX220S0350 2" Semi-Trash, Robin/Subaru Gasoline Engine	
FN06	PKX320ST-PKX320S0350 3" Semi-Trash, Robin/Subaru Gasoline Engine	
FN07	PKX201H-PKX201H0353 2" High Pressure, Robin/Subaru Gasoline Engine	
FN08	PKX201T-PKX201T00373 2" Trash, Robin/Subaru Gasoline Engine	
FN09	PKX301T-PKX301T00373 3" Trash, Robin/Subaru Gasoline Engine	
FN10	PKX401T-PKX401T0350 4" Trash, Robin/Subaru Gasoline Engine	
FN11	PTX301D-PTX301D0101 3" Diaphragm, Robin/Subaru Gasoline Engine	
O. Waterax		
FO01	Mini-Striker LR Waterax pump lightweight high pressure pump	
FO02	Striker-2 Waterax pump 2 stage pump w/ 13 hp Honda engine vehicle mount	
FO03	Striker-2 Waterax pump 2 stage pump w/ 13 hp Honda engine portable pump	
FO04	Striker-3 Waterax pump 3 stage pump w/ 13 hp Honda engine vehicle mount	
FO05	Striker-3 Waterax pump 3 stage pump w/ 13 hp Honda engine portable	
FO06	BB 4-18 hp B&S 4 Waterax stage pump with pressure up to 440 psi and 104 gpm base mount	
FO07	BB 4-18 hp B&S 4 Waterax stage pump with pressure up to 440 psi and 104 gpm portable	
FO08	BB 4-21 hp Honda Waterax 4 stage pump with pressure up to 440 psi and 106 gpm base mount	
FO09	BB 4-23 hp B&S 4 Waterax Stage pump with pressure up to 440 psi and 106 gpm base mount	
FO10	BB 4-23 hp B&S 4 Waterax Stage pump with pressure up to 440 psi and 106 gpm portable	
FO11	BB - 4 D902 3 cylinder Waterax Kabota fuel injected diesel up to 395 psi and 106 gpm	
FO12	B2X Mid Range fire pump 2 Waterax stage 18 hp B&S engine 300 gpm and 190 psi base mount	
FO13	B2X Mid Range fire pump 2 Waterax stage 18 hp B&S engine 300 gpm and 190 psi portable	
FO14	B2X Mid Range fire pump 2 Waterax stage 21 hp Honda engine 300 gpm and 200 psi base mount	
FO15	B2X Mid Range fire pump 2 Waterax stage 23 hp B&S engine 300 gpm and 190 psi base mount	
FO16	B2X Mid Range fire pump 2 Waterax stage 23 hp B&S engine 300 gpm and 190 psi portable	
FO17	B2X - D902 3 cylinder Waterax Kabota fuel injected diesel up to 310 psi and 180 gpm	
FO18	Versax 6 hp Waterax twin impeller self priming pump portable	
FO19	Versax 6 hp Waterax twin impeller self priming pump vehicle mount	

FO20	Versax 9 hp Waterax twin impeller self priming pump portable	
FO21	Versax 9 hp Waterax twin impeller self priming pump vehicle mount	
FO22	MK3 - UMARK -3 HIGH PRESSURE Waterax 4 -staghe F. pump including fuel line	
FO23	MK3 - UMARK -3 HIGH PRESSURE Waterax 4 -staghe F. pump kit including fuel line & hand primer	
G. Portable "Priming-Assisted" Trash Pumps		
Product Code	Model/Description	Bid Price
A. Global Pump		
GA01	Model 4GST, 4" x 4" Automatic-priming pump, 35HP Tier 4i Kubota V1505 diesel engine, Skid Mounted with integral 85 gallon fuel tank, passes 3" solid, maximum head 116', flow (gpm) 270-1,000	
GA02	Model 6GST, 6" x 6" Automatic-priming pump, 85HP Tier 3 Kubota V3600T diesel engine, Skid Mounted with integral 115 gallon fuel tank, passes 3" solid, maximum head 202', flow (gpm) 600-2,200	
GA03	Model 8GST, 8" x 8" Automatic-priming pump, 122HP Tier 3 Cat C4.4 diesel engine, Skid Mounted with integral 115 gallon fuel tank, passes 4" solid, maximum head 183', flow (gpm) 830-3,300	
GA04	Model 12GST, 12" x 12" Automatic-priming pump, 173HP Tier 3 John Deere 6068HF285 diesel engine, Skid Mounted with integral 325 gallon fuel tank, passes 4" solid, maximum head 135', flow (gpm) 1,900-5,900	
GA05	Model 14GST, 14" x 14" Diaphragm-priming pump, 250HP Tier 3 John Deere 6068HF485 diesel engine, Skid Mounted with integral 5 gallon fuel tank, passes 4" solid, maximum head 138', flow (gpm) 2,500-8,100	
GA06	Model 18GST, 18" x 14" Diaphragm-priming pump, 250HP Tier 3 John Deere 6068HF485 diesel engine, Skid Mounted with integral 5 gallon fuel tank, passes 4-1/2" solid, maximum head 135', flow (gpm) 2,700-10,000	
GA07	Model 4GHT, 4" x 4" Automatic-priming pump, 67HP Tier 4i Kubota V3600 diesel engine, Skid Mounted with integral 85 gallon fuel tank, passes 3" solid, maximum head 174', flow (gpm) 300-1,100	
GA08	Model 6GHT, 6" x 6" Automatic-priming pump, 115HP Tier 3 John Deere 4045HF285 diesel engine, Skid Mounted with integral 115 gallon fuel tank, passes 3" solid, maximum head 223', flow (gpm) 560-2,000	
GA09	Model 8GHT, 8" x 8" Automatic-priming pump, 173HP Tier 3 John Deere 6068HF285 diesel engine, Skid Mounted with integral 150 gallon fuel tank, passes 4" solid, maximum head 261', flow (gpm) 1,000-3,500	
GA10	Model 12GHT, 12" x 12" Automatic-priming pump, 250HP Tier 3 John Deere 6068HF485 diesel engine, Skid Mounted with integral 325 gallon fuel tank, passes 4" solid, maximum head is 169', flow (gpm) 2,200-7,800	
GA11	Model 18GHT, 18" x 14" Diaphragm-priming pump, 400HP Tier 3 John Deere 6135HF485 diesel engine, Skid Mounted with integral 5 gallon fuel tank, passes 4-1/2" solid, maximum head 177', flow (gpm) 3,700-13,500	
GA12	Model 24GHT, 24" x 18" Diaphragm-priming pump, 600HP Tier 3 Cat C18 diesel engine, Skid Mounted with integral 5 gallon fuel tank, passes 4-1/2" solid, maximum head 237', flow (gpm) 3,700-13,500	
GA13	Model 4GSH, 4" x 3" Automatic-priming pump, 122HP Cat C4.4 diesel engine, Skid Mounted with integral 115 gallon fuel tank, passes 5/8" solid, maximum head 433', flow (gpm) 100-1,100	
GA14	Model 6GSH, 6" x 4" Automatic-priming pump, 173HP John Deere 6068HF285 diesel engine, Skid Mounted with integral 150 gallon fuel tank, passes 7/8" solid, maximum head 412', flow (gpm) 200-2,100	

GA15	Model 8GSH, 8" x 6" Automatic-priming pump, 250HP John Deere 6068HF485 diesel engine, Skid Mounted with integral 150 gallon fuel tank, passes 1-3/8" solid, maximum head 411', flow (gpm) 350-4,000	
GA16	Model 10GSH, 10" x 8" Automatic-priming pump, 300HP John Deere 6090HF485 diesel engine, Skid Mounted with integral 325 gallon fuel tank, passes 1-1/2" solid, maximum head 340', flow (gpm) 500-5,700	
GA17	Model 12GSH, 12" x 8" Automatic-priming pump, 400HP John Deere 6135HF485 diesel engine, Skid Mounted with integral 325 gallon fuel tank, passes 1-1/2" solid, maximum head 340', flow (gpm) 500-5,700	
GA18	Model 6GHH, 6" x 4" Automatic-priming pump, 173HP Tier 3 John Deere 6068HF285 diesel engine, Skid Mounted with integral 325 gallon fuel tank, passes 7/8" solid, maximum head 748', flow (gpm) 150-1,600	
GA19	Model 8GHH, 8" x 6" Automatic-priming pump, 250HP Tier 3 John Deere 6068HF485 diesel engine, Skid Mounted with integral 500 gallon fuel tank, passes 1-3/8" solid, maximum head 745', flow (gpm) 250-2,800	
GA20	Model 12GHH, 12" x 10" Automatic-priming pump, 600HP Tier 3 Cat C18 6068HF485 diesel engine, Skid Mounted with integral 5 gallon fuel tank, passes 2-1/2" solid, maximum head 648', flow (gpm) 600-6,800	
GA21	Model 6GSR, 6" x 6" Rotary Lobe Wellpoint pump, 36HP Tier 4i Cat C1.6 diesel engine, Skid Mounted with integral 52 gallon fuel tank, passes 2-1/2" solid, maximum head 50', maximum flow (gpm) 800	
GA22	Model 8GSR, 8" x 8" Rotary Lobe Wellpoint pump, 67HP Tier 4i Kubota V3600 diesel engine, Skid Mounted with integral 115 gallon fuel tank, passes 2-1/2" solid, maximum head 50', maximum flow (gpm) 1,600	
GA23	Model 12GSR, 12" x 12" Rotary Lobe Wellpoint pump, 67HP Tier 4i Kubota V3600 diesel engine, Skid Mounted with integral 120 gallon fuel tank, passes 2-1/2" solid, maximum head 50', maximum flow (gpm) 3,200	
GA24	Model 4GSC, 4" x 4" Centrifugal Wellpoint pump, 35HP Tier 4i Kubota V1505 diesel engine, Skid Mounted with integral 52 gallon fuel tank, passes 5/8" solid, maximum head 102', maximum flow (gpm) 600	
GA25	Model 6GSC, 6" x 6" Centrifugal Wellpoint pump, 67HP Tier 4i Kubota V3600 diesel engine, Skid Mounted with integral 70 gallon fuel tank, passes 3/4" solid, maximum head 108', maximum flow (gpm) 1,200	
GA26	Model 8GSC, 8" x 8" Centrifugal Wellpoint pump, 67HP Tier 4i Kubota V3600 diesel engine, Skid Mounted with integral 110 gallon fuel tank, passes 7/8" solid, maximum head 108', maximum flow (gpm) 1,800	
B. Godwin		
GB01	Model CD140M, 4" x 4" Self-priming pump, John Deere 4045HC92 diesel engine with PrimeGuard Panel, Trailer Mounted with integral 105 gallon fuel tank, oil bath mechanical seal, passes 3" solid, TDH (max) 280', flow (gpm) 400-1100	
GB02	Model CD 80M, 3" x 3" Self-priming pump, Yanmar 3TNV76CSA diesel engine, Trailer mounted with an integral 30 gallon fuel tank, oil bath mechanical seal, passes a 1 5/8" solid, TDH (max) 93', flow (gpm) 0-350	
GB03	Model CD100M, 4" x 4" Self-priming pump, Yanmar 3TNV88C FT4 diesel engine, with PrimeGuard, Trailer mounted with integral 30 gallon fuel tank, oil bath mechanical seal, passes 1 3/4" solids, TDH (max) 115', flow (gpm) 100-750	
GB04	Model CD103M, 4" x 4" Self-priming pump, Yanmar 4TNV88C FT4 diesel engine, with PrimeGuard, Trailer mounted with integral 60 gallon fuel tank, oil bath mechanical seal, passes a 3" solid, TDH (max) 170', flow (gpm) 300-1000	
GB05	Model CD150M, 6" x 6" Self-priming pump, John Deere 4045TFC03 FT4 diesel engine, with PrimeGuard, Trailer mounted with integral 60 gallon fuel tank, oil bath mechanical seal, passes 3" solid, TDH (max) 167', flow (gpm) 700-2,080	

GB06	Model CD160M, 6" x 6" Self-priming pump, John Deere 6068HC93 diesel engine with Primeguard Panel, Trailer Mounted with integral 150 gallon fuel tank, oil bath mechanical seal, passes 3" solid, TDH (max) 255', flow (gpm) 700-1700	
GB07	Model CD180M, 8" x 6" Self-priming pump, John Deere 6068HC93 diesel engine with Primeguard Panel, Trailer mounted with integral 150 gallon fuel tank, oil bath mechanical seal, passes 3" solid, TDH (max) 260', flow (gpm) 1,000-2,090	
GB08	Model CD225M, 8" x 8" Self-priming pump, John Deere 4045HC92 diesel engine with Prime Guard panel, Trailer mounted with integral 105 gallon fuel tank, oil bath mechanical seal, passes 3 1/8" solid, TDH (max) 180', flow (gpm) 1000-3100	
GB09	Model CD250M, 10" x 10" Self-priming pump, John Deere 6068HC93 diesel engine with Prime Guard panel, trailer mounted with integral 150 gallon fuel tank, oil bath mechanical seal, passes 3 1/8" solid, TDH (max) 183', flow (gpm) 1500-3600	
GB10	Model CD300M, 12" x 12" Self-priming pump, John Deere 6090HC94 diesel engine with Prime Guard panel, skid mounted with integral 250 gallon fuel tank, oil bath mechanical seal, passes 3 3/4" solid, TDH (max) 200', flow (gpm) 3000-6000	
GB11	Model DPC300, 12" x 12" Self-priming pump, John Deere 6068HC93 diesel engine with Prime Guard panel, skid mounted with integral 150 gallon fuel tank, oil lubricated mechanical seal, passes 3 1/2" solid, TDH (max) 115', flow (gpm) 2000-5000	
GB12	Model CD400M, 18" x 18" Self-priming pump, John Deere 600HC94 diesel engine with Prime Guard panel, skid mounted, 10 gallon fuel tank; oil bath mechanical seal, passes 5" solid, TDH (max) 147', flow (gpm) 4,000-10,000	
GB13	Model CD500M, 24" x 18", Caterpillar C18-755HP Final Tier 4 diesel engine, with PrimeGuard panel, skid mounted, 570 gallon fuel tank, passes 4" solids, TDH (max) 200', flow (gpm) 8,000-16,500	
GB14	Model NC80, 4" x 3" pump, Yanmar 3TNV70 Tier 4 Diesel Engine, trailer mounted with integral 30 gallon fuel tank, passes 1 1/4" solids, TDH (max) 115', flow (gpm) 0-350	
GB15	Model NC100, 4" x 4" pump, Yanmar 3TNV88C FT 4 Diesel Engine, with PrimeGuard, trailer mounted with integral 60 gallon fuel tank, passes 1 1/2" solids, TDH (max) 165', flow (gpm) 100-750	
GB16	Model NC150, 6" x 6" pump, John Deere 4045TFC03 FT4 Diesel Engine, with PrimeGuard, trailer mounted with integral 60 gallon fuel tank, passes solids 1 5/8", TDH (max) 205', flow (gpm) 700-1700	
GB17	Model HL80M, 4" x 3", John Deere 4045TFC03 FT4 diesel engine, with PrimeGuard, trailer mounted with 60 gallon fuel tank, passes 1" solids, TDH (max) 325', flow (gpm) 0-450	
GB18	Model HL100M, 4" x 4", John Deere 4045HC92 diesel engine, with PrimeGuard, trailer mounted on 135 gallon fuel tank, passes 1 3/8" solids, TDH (max) 455, flow (gpm) 300-800	
GB19	Model HL125M, 6" x 4", John Deere 6068HC93 diesel engine, with PrimeGuard, trailer mounted, 150 gallon fuel tank, passes 1 3/8" solids, TDH (max) 455', flow (gpm) 300-1000	
GB20	Model HL150M, 6" x 6", John Deere 6068HC94 diesel engine, with PrimeGuard, trailer mounted, 150 gallon fuel tank; passes 1 3/8" solids, TDH (max) 500', flow (gpm) 500-1450	
GB21	Model HL200M, 8" x 6", John Deere 6068HC94 diesel engine, with PrimeGuard, trailer mounted, 150 gallon fuel tank, passes 1 1/2" solids, TDH (max) 320', flow (gpm) 800-2300	
GB22	Model HL225M, 10" x 8", John Deere 6090HC94 diesel engine, with PrimeGuard, skid mounted, 200 gallon fuel tank, passes 3" solids, TDH (max) 380', flow (gpm) 1500-3600	
GB23	Model HL250M, 12" x 10", John Deere 6135HC95 diesel engine, with PrimeGuard, skid mounted, 250 gallon fuel tanke, passes 3" solids, TDH (max) 380', flow (gpm) 2500-5200	

GB24	Model HL110M, 4" x 4" John Deere 6068HC93 diesel engine, with PrimeGuard, trailer mounted, 150 gallon fuel tank, passes 3/4" solids, TDH (max) 600', flow (gpm) 200-600	
GB25	Model HL130M, 6" x 4" John Deere 6090HC94 diesel engine, with PrimeGuard, trailer mounted, 200 gallon fuel tank, passes 1 3/8" solids, TDH (max) 600', flow (gpm) 200-600	
GB26	Model HL160M, 8" x 6", John Deere 6135HC95 diesel engine, with PrimeGuard, trailer mounted, 250 gallon fuel tank, passes 1 3/8" solids, TDH (max) 600', flow (gpm) 400-2000	
GB27	Model HL260M, 10" x 10", Caterpillar C18-755HP FT4 diesel engine, with PrimeGuard, trailer mounted, 375 gallon fuel tank, passs 2" solids, TDH (max) 500', flow (gpm) 1500-3600	
C. Gorman-Rupp		
GC01	Mechanical Oil Lube Seal, Skid-Mounted Final Tier 4 Yanmar Engine, Auto-Start Controls, Passes 3" Solid, Shut-Off Head 136', 450 GPM Max Flow Rate. Options Available: Wheel-Kit.	
GC02	Model PA4A60-4LE2T FT4 Isuzu, 4" X 4" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 135', 925 GPM Flow Rate. Options Available: DOT Wheel-Kit	
GC03	Model PA4A60-4LE2T FT4-ESP (Enclosed Silent Pump) Isuzu, 4" X 4" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 135', 925 GPM Flow Rate. Pump & Engine mounted on a full containment base with a "sound-attenuated" aluminum enclosure. Options Available: DOT Wheel-Kit	
GC04	Model PA6D60-4045T John Deere, 6" X 6" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 158', 2300 GPM Flow Rate. Options Available: DOT Wheel-Kit	
GC05	Model PA6D60-4045T FT4 John Deere, 6" X 6" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 158', 2300 GPM Flow Rate. Options Available: DOT Wheel-Kit	
GC06	Model PA6D60-4045T FT4-ESP (Enclosed Silent Pump) John Deere, 6" X 6" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Final Tier 4 Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 158', 2300 GPM Flow Rate. Pump & Engine mounted on a full containment base with a "sound-attenuated" aluminum enclosure. Options Available: DOT Wheel-Kit	
GC07	Model PA10A60-4045H John Deere, 10" X 10" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 156', 3920 GPM Flow Rate. Options Available: DOT Wheel-Kit	
GC08	Model PA10A60-4045H-ESP (Enclosed Silent Pump) John Deere, 10" X 10" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 156', 3920 GPM Flow Rate. Pump & Engine mounted on a full containment base with a "sound-attenuated" aluminum enclosure. Options Available: DOT Highway Trailer	
GC09	Model PA12A60-B-6068H John Deere, 12" X 12" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 110', 6250 GPM Flow Rate. Options Available: Wheel Kit	

GC10	Model PA12A60-B-6068H-ESP (Enclosed Silent Pump) John Deere, 12" X 12" Heavy Duty Priming Assisted Trash Pump, Mechanical Oil-Lube Seal, Skid-Mounted Tier 3 "Flex" Diesel Engine, Auto-Start Controls, Passes a 3" Solid, Shut-Off Head is 110', 6250 GPM Flow Rate. Pump & Engine mounted on a full containment base with a "sound-attenuated" aluminum enclosure. Options Available: DOT Highway Trailer	
GC11	Model PAH3A60-6068H John Deere 6" x 3" Heavy Duty High Pressure Priming Assisted Tier 3 "Flex" Diesel Engine-Driven Pump. Auto-Start Controls, Mechanical Oil-Lube Seal Mounted on Steel Skid, Passes 1/2" Solids, Shut-Off Head is 392'. Max Flow is 1280 GPM. Options Available: Wheel Kit	
GC12	Model PAH4C60-6068H John Deere 6" x 4" Heavy Duty High Pressure Priming Assisted Tier 3 "Flex" Diesel Engine-Driven Pump. Auto-Start Controls, Mechanical Oil-Lube Seal Mounted on Steel Skid, Passes 1/2" Solids, Shut-Off Head is 380'. Max Flow is 1600 GPM. Options Available: Wheel Kit	
GC13	Model PAH6B60-6068H John Deere 10" x 6" Heavy Duty High Pressure Priming Assisted Tier 3 "Flex" Diesel Engine-Driven Pump. Auto-Start Controls, Mechanical Oil-Lube Seal Mounted on Steel Skid, Passes 3" Solids, Shut-Off Head is 250'. Max Flow is 4445 GPM. Options Available: Wheel Kit	
GC14	Model PAH8A60-6090H John Deere 10" x 8" Heavy Duty High Pressure Priming Assisted Tier 3 "Flex" Diesel Engine-Driven Pump. Auto-Start Controls, Mechanical Oil-Lube Seal Mounted on Steel Skid, Passes 3" Solids, Shut-Off Head is 344. Max Flow is 5250 GPM. Options Available: DOT Highway Trailer	
GC15	Model PAH10B60-6135H John Deere 12" X 10" Heavy Duty High Pressure Priming Assisted Tier 3 "Flex" Diesel Engine-Driven Pump. Auto-Start Controls, Mechanical Oil-Lube Seal Mounted on Steel Skid. Passes a 2" Solid, Shut-Off is 380' Max Flow is 6,100 gpm. Options Available: DOT Highway Trailer	
GC16	Model PAH10A60C-C18 Caterpillar 12" X 10" Heavy Duty High Pressure Priming Assisted IT4 "Flex" Diesel Engine-Driven Pump. Mechanical Oil-Lube Seal Mounted on Steel Skid. Passes a 2" Solid, Shut-Off is 575'. Max Flow is 6,400 GPM.	
GC17	Model PAH16AC-B-C18 Caterpillar 18" X 16" Heavy Duty High Pressure Priming Assisted IT4 "Flex" Diesel Engine-Driven Pump. Mechanical Oil-Lube Seal Mounted on Steel Skid. Passes a 4" Solid, Shut-Off is 200 ft./88 psi. Max Flow is 15,000 gpm.	

D. Koshin

GD01	SEH-25L 1" CENTRIFUGAL, HONDA GX25	
GD02	SEH-40 1.5" CENTRIFUGAL, HONDA GXH50	
GD03	SEV-50X 2" CENTRIFUGAL, KOSIN 180	
GD04	SE-50EX 2" CENTRIFUGAL, ROBIN/SUBARU EX13	
GD05	SHE-50X 2" CENTRIFUGAL, HONDA GX120	
GD06	SEV-80C 3" CENTRIFUGAL, KOSHIN K180	
GD07	SE-80EX 3" CENTRIFUGAL, ROBIN/SUBARU EX17	
GD08	SHE-80X 3" CENTRIFUGAL, HONDA GX160	

E. Magnum Power Products

GE01	Model MTP4DZD, 4"x4" Heavy Duty, Dry Prime Vacuum Assisted Trash Pump, Oil Bath Seal, 1450 GPM Max, 165 TDH Max, 3" Solids Handling, 49 HP@2600RPM Deutz D 2.9 L4 Tier 4 Final Approved Diesel Engine, 110 Gal Fuel Tank, DOT Trailer Mounted	
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GE02	Model MTP6DZD, 6"x6" Heavy Duty, Dry Prime Vacuum Assisted Trash Pump, Oil Bath Seal, 2750 GPM Max, 150 TDH Max, 3" Solids Handling, 75 HP@2600RPM Deutz TD 2.9 L4 Tier 4 Final Approved Diesel Engine, 113 Gal Fuel Tank, DOT Trailer Mounted	
F. Pioneer		
GF01	PP44S8L71-404D-22T, 4"x4" Vacuum Assist Dry-Prime Pump w/ 8.25" Impeller, 41HP @ 1800 RPM Tier 4i Perkins Diesel Engine, Skid Mounted with Integral 85 Gallon Fuel Tank, Passes 3" Solids, 1500 Max GPM, 78' Max TDH @ 1800RPM	
GF02	PP44S10L71-404D-22T, 4"x4" Vacuum Assist Dry-Prime Pump w/ 10" Impeller, 41HP @ 1800 RPM Tier 4i Perkins Diesel Engine, Skid Mounted With Integral 85 Gallon Fuel Tank, Passes 3" Solids, 1500 Max GPM, 120' Max TDH @ 1800RPM	
GF03	PP66S12L71-D914L04, 6"x6" Vacuum Assist Dry-Prime Pump w/ Trimmed 11" Impeller, 64HP @ 1800RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 85 Gallon Fuel Tank, Passes 3" Solids, 2750 Max GPM, 130' Max TDH @ 1800 RPM	
GF04	PP66S10L71-404D-22T, 6"x6" Vacuum Assist Dry-Prime Pump w/ 10" Impeller, 41 HP @ 1800 RPM Tier 4i Perkins Diesel Engine, Skid Mounted With Integral 85 Gallon Fuel Tank, Passes 3" Solids, 2525 Max GPM, 110 Max TDH @ 1800 RPM	
GF05	PP66S14L71-TC914L06, 6"x6" Vacuum Assist Dry-Prime Pump w/ 14" Impeller, 148HP @ 1800 RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 115 Gallon Fuel Tank, Passes 3" Solids, 3200 Max GPM, 220' Max TDH @ 1800 RPM	
GF06	PP88S12L71-D914L04, 8"x8" Vacuum Assist Dry-Prime Pump w/ 11.25" Impeller, 64 HP @ 1800 RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 85 Gallon Fuel Tank, Passes 3" Solids, 3700 Max GPM, 133' Max TDH @ 1800 RPM	
GF07	PP88S12L71-D914L06, 8"x8" Vacuum Assist Dry-Prime Pump w/ 12.25" Impeller, 83HP @ 2000 RPM Tier 3 Deutz Diesel Engine, Skid Mounted With Integral 115 Gallon Fuel Tank, Passes 3" Solids, 4350 Max GPM, 162' Max TDH @ 1800 RPM	
GF08	PP1212S17L71-6068HF485, 12"x12" Vacuum Assist Dry-Prime Pump w/ 15.8" Trimmed Impeller, 226 HP @ 1800 RPM Tier 3 John Deere Diesel Engine, Skid Mounted With Integral 185 Gallon Fuel Tank, Passes 3.6" Solids, 6800 Max GPM, 180' Max TDH @ 1800 RPM	
GF09	PP1212S17L71-6090HF485, 12"x12" Vacuum Assist Dry-Prime Pump w/ 17.25" Impeller, 315 HP @ 1800 RPM Tier 3 John Deere Diesel Engine, Skid Mounted With Integral 185 Gallon Fuel Tank, Passes 3.6" Solids, 9000 Max GPM, 300' Max TDH @ 1800 RPM	
GF10	PP1414S17L71-6090HF485, 14"x14" Vacuum Assist Dry-Prime Pump w/ 17.5" Impeller, 315 HP @ 1800 RPM Tier 3 John Deere Diesel Engine, Drag Skid Mounted With External 350 Gallon Fuel Tank, Passes 4" Solids, 14,200 Max GPM, 210' Max TDH @ 1450 RPM	
GF11	PP1818S22L71-6090HF485, 18"x18" Vacuum Assist Dry-Prime Pump w/ 18" Impeller, 315 HP @ 1800 RPM Tier 3 John Deere Diesel Engine, Drag Skid Mounted w/ External 350 Gallon Fuel Tank, Passes 4.5" Solids, 15,900 Max GPM, 105 Max TDH @ 1180 RPM	
GF12	PP1818S22L71-6135HF485, 18"x18" Vacuum Assist Dry-Prime Pump w/ 22.5" Impeller, 600 HP @ 2200 RPM Tier 3 John Deere Diesel Engine, Drag Skid Mounted w/ External 350 Gallon Fuel Tank, Passes 4.5" Solids, 18,000 Max GPM, 220' Max TDH @ 1200 RPM	
G. Holland Pumps		
GG01	PA3TPA-Y3TNV72 Yanmar 0.9 L, 3 cylinder diesel engine, Pump End- PA3TPA, Instrument Panel, integral Fuel tank and trailer	
GG02	PT4TMS-P404D22 Perkins 2.2L, 4 cylinder diesel engine, battery, instrument panel, Pump End: PT4TMS, integral fuel tank and trailer	
GG03	PT6TPA-P804D33 Perkins 3.3 L, 4 cylinder diesel engine, battery, instrument panel, Pump End: PT6TPA, integral fuel tank and trailer	
GG04	PT6TPC-D4045TF280 John Deere 4.5 L, 4 cylinder turbocharged diesel engine, battery, instrument panel, Pump End: PT6TPC, integral fuel tank and trailer	

GG05	PT8TPA-D4045TF280 John Deere 4.5 L, 4 cylinder turbocharged diesel engine, 74HP@2400rpm, battery, instrument panel, Pump End: PT8TPA, integral fuel tank and trailer	
GG06	PT8TPB-D4045TF280, John Deere 4.5 L, 4 cylinder turbocharged diesel engine, battery, instrument panel, Pump End: PT8TPB, integral fuel tank and trailer	
GG07	PT8TPC-D4045TF280, HP, John Deere 4.5 L, 4 cylinder turbocharged diesel engine, 104HP@2400rpm, battery, instrument panel, Pump End: PT8TPC, integral fuel tank and trailer	
GG08	PT10TPC-D6068HF285 John Deere 6.8 L, 6 cylinder diesel engine standard; 139HP Cont., battery, instrument panel, Pump End: PT10TPC, integral fuel tank and trailer	
GG09	PT14TPB-D6068HF485 Deere 6.8 L, 6 cylinder after cooled diesel engine, battery, instrument panel, Pump End: PT14TPB, integral fuel tank and skid mounted	
GG10	PT14TPC-D6090H Deere 9 L, 6 cylinder after cooled diesel engine, battery, instrument panel, Pump End: PT14TPC, integral fuel tank and skid mounted	
GG11	PT18TPD-D6135SH Deere 13.5 L, 6 cylinder turbo charged diesel engine, battery, instrument panel, Pump End: PT18TPD, integral fuel tank and skid mounted	

H. Hydraulic Submersible Pumps

Product Code	Model/Description	Bid Price
A. Godwin		
HA01	3" HS 80 Pumpend, HS 80 Powerpack with Yanmar 3TNV76 diesel engine trailer mounted, (2) 3/4" x 50' hydraulic hose	
HA02	3" HS 80 Pumpend, HS 80 Powerpack with Yanmar 3TNV76 diesel engine skid mounted, (2) 3/4" x 50' hydraulic hose	
HA03	4" HS 100TD Pumpend, HS 100 Powerpack with Yanmar 3TNV88C FT4 diesel engine, with PrimeGuard, trailer mounted, (2) 3/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA04	4" HS 100TD Pumpend, HS 100 Powerpack with Yanmar 3TNV88C FT4 diesel engine, with PrimeGuard, skid mounted, (2) 3/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA05	4" HS 100SG Pumpend, HS 100SG Powerpack with Yanmar 3TNV88C FT4 diesel engine, with PrimeGuard, trailer mounted, (2) 3/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA06	4" HS 100SG Pumpend, HS 100SG Powerpack with Yanmar 3TNV88C FT4 diesel engine, with PrimeGuard, skid mounted, (2) 3/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA07	6" HS 150MR Pumpend, HS 150MR Powerpack with John Deere 4045TFC03 FT4 diesel engine, with PrimeGuard, trailer mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA08	6" HS 150MR Pumpend, HS 150MR Powerpack with John Deere 4045TFC03 FT4 diesel engine, with PrimeGuard, skid mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA09	6" HS 150V Pumpend, HS 150MR Powerpack with John Deere 4045TFC03 FT4 diesel engine trailer mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA10	6" HS 150V Pumpend, HS 150MR Powerpack with John Deere 4045TFC03 FT4 diesel engine skid mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA11	6" HS 150SG Pumpend, HS 150SG Powerpack with John Deere 4045TFC03 FT4 diesel engine, with PrimeGuard, trailer mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA12	6" HS 150SG Pumpend, HS 150SG Powerpack with John Deere 4045TFC03 FT4 diesel engine, with PrimeGuard, skid mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA13	8" HS 200MR Pumpend, HS 200MR Powerpack with John Deere 6068HC93 diesel engine trailer mounted, (2) 1 1/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	

HA14	8" HS 200MR Pumpend, HS 200MR Powerpack with John Deere 6068HC93 diesel engine skid mounted, (2) 1 1/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA15	8" HS 200SG Pumpend, HS 200SG Powerpack with John Deere 6068HC93 diesel engine trailer mounted, (2) 1 1/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA16	8" HS 200SG Pumpend, HS 200SG Powerpack with John Deere 6068HC93 diesel engine skid mounted, (2) 1 1/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA17	10" HS 250MR Pumpend, HS 250MR Powerpack with John Deere 6068HC93 diesel engine trailer mounted, (2) 1 1/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA18	10" HS 250SG Pumpend, HS 250MR Powerpack with John Deere 6068HC93 diesel engine skid mounted, (2) 1 1/4" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose, (2) 1/4" x 50' hydraulic hose	
HA19	12" HS 300 Pumpend, HS 300MR Powerpack with Caterpillar C7.1 diesel engine skid mounted, (4) 1 1/4" x 50' hydraulic hose, (1) 3/4" x 50' hydraulic hose	
HA20	12" HS 300 Pumpend, HS 300MR Powerpack with Caterpillar C7.1 diesel engine trailer mounted, (4) 1 1/4" x 50' hydraulic hose, (1) 3/4" x 50' hydraulic hose	
HA21	4" HS 103 Pumpend, HS 103 Powerpack with Yanmar 4TNV88C FT4 diesel engine skid mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
HA22	4" HS 103 Pumpend, HS 103 Powerpack with Yanmar 4TNV88C FT4 diesel engine trailer mounted, (2) 1" x 50' hydraulic hose, (1) 1/2" x 50' hydraulic hose	
B. Hydra-Tech		
HB01	2" Aluminum Hydraulic Submersible Vortex Trash Pump S2TAL-2, & HT6D wheelbarrow style portable power pack w/Yanmar L70V engine and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 1 1/2" solids w/ flows to 180gpm	
HB02	2" Ductile Iron Hydraulic Submersible Vortex, Solids Handling Pump S2T-2, HT11D wheelbarrow style portable power pack w/Yanmar L70V engine and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 1 1/2" solids w/ flows to 180gpm	
HB03	3" Aluminum Hydraulic Submersible Vortex Solids Handling Pump S3T, HT6GE wheelbarrow style portable power pack w/Honda GX270 and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 2 1/2" solids w/ flows to 400gpm	
HB04	3" Ductile Iron Hydraulic Submersible Vortex Trash Pump S3TDI, HT6GE wheelbarrow style portable power pack w/Honda GX270, ATF hydraulic oil and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 2 1/2" solids w/ flows to 400gpm	
HB05	3" Aluminum Hydraulic Submersible Trash Pump S3T, HT11D wheelbarrow style portable power pack w/Yanmar L100V engine and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 2 1/2" solids w/ flows to 400gpm	
HB06	3" Ductile Iron Hydraulic Submersible Vortex Solids Handling Pump S3TDI, HT11D wheelbarrow style portable power pack w/Yanmar L100V engine and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 2-1/2" solids w/ flows to 400gpm	
HB07	3" Aluminum Hydraulic Submersible Vortex Solids Handling Pump S3T, HT13GE wheelbarrow style portable power pack w/Honda GX390 and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 2-1/2" solids w/ flows to 400gpm	
HB08	3" Ductile Iron Hydraulic Drive Submersible Vortex Trash Pump S3TDI, HT13GE wheelbarrow style portable power pack w/Honda GX390 and (2) 1/2" x 50' hoses, ATF hydraulic oil, Handles 2-1/2" solids w/ flows to 400gpm	
HB09	4" Ductile Iron, Open Channel Impeller S4T Solids Handling Pump, hydraulic drive w/hose whips, HT25DYS Powerpack w/ Yanmar 3TNV76ASA, 25hp engine, trailer mounted, 30 gallon oil reservoir, two each 3/4" x 50' hoses, Bio Oil, Handles 3" solids w/flows to 800gpm	

HB10	4" High Head, Ductile Iron body, SS Vortex Impeller Solids handling pump S4VHLDI, fits 21" opening, w/hose whips, HT50DYS trailer mounted Powerpack with 49HP Yanmar engine, 50 gallon oil reservoir, two each 1" x 50' hydraulic hoses, w/ Bio Oil, Handles 3-1/2" solids w/flows to 800gpm	
HB11	6" Aluminum Body, SS Vortex Impeller Solids Handling Pump S6T, HT50DQV, Sound attenuated, skid mounted hydraulic power unit, 64db @ 7meters,, 33 gallon oil reservoir, two each 1" x 50' hydraulic hoses w/quick disconnects, with Bio Oil, handles 5" solids w/flows to 1600gpm	
HB12	6" Closed Vane Cannel Impeller, Ductile Iron pump fits 21" opening S6TC, HT60DJV, skid frame or highway trailer mounted Powerpack with JD4045 IT4 engine, 50 gallon oil reservoir, two each 1" x 50' hydraulic hoses with quick disconnects, with Bio Oil, handles 3" solids with flows to 1900gpm.	
HB13	8" Ductile Iron, Vortex Impeller, Solids Handling pump S8T, HT100DJV skid or highway trailer mounted hydraulic power unit with JD4045 IT4 engine, 75 gallon oil reservoir, 1-1/4" x 50' hydraulic hose set and one 1/2" x 50' case drain hose, w/Bio Oil, handles 7" solids w/flows to 4500gpm.	
HB14	10" Ductile Iron, Vortex Impeller Solids Handling pump S10T, HT150DJV skid mounted Powerpack w/JD 6068 engine, 100 gallon oil reservoir, 1-1/4" x 50' hydraulic hose set and one 1/2" x 50' case drain hose, w/ Bio-Oil, handles 8" solids with flows to 5000gpm.	
HB15	12" Ductile Iron pump w/two vane Closed Channel Impeller S6300, HT150DJV dual axle highway trailer mounted Powerpack w/JD6068 engine, 100 gallon oil reservoir, 1-1/4" x 50' hydraulic hose set and one 1/2" x 50' case drain hose, w/Bio Oil, handles 5" solids with flows to 8000gpm.	
HB16	8" Axial flow Pump w/Efficient Mixed Flow Impeller, HT35DYS trailer mounted Powerpack w/Yanmar 3TNV88V BDSA engine, 30 gallon oil reservoir, 3/4" x 50' hydraulic hose set, w/ Bio-Oil, handles 1" solids with flows to 1800gpm.	
HB17	12" Axial flow Pump w/Efficient Mixed Flow Impeller, HT60DJV trailer mounted Powerpack w/JD 4045 engine, 50 gallon oil reservoir, 1" x 50' hydraulic hose set , w/ Bio-Oil, handles 1" solids with flows to 4000gpm.	
HB18	18" Axial flow Pump w/Efficient Mixed Flow Impeller, HT150DJV skid mounted Powerpack w/JD 6068 engine, 100 gallon oil reservoir, 1-1/4" x 50' hydraulic hose set and one 1/2" x 50' case drain hose, w/ Bio-Oil, handles 1" solids with flows to 10000gpm.	
C. Holland Pump		
HC01	D6-P404D22 Power Unit, Perkins 2.2L, 4 cylinder diesel engine,H4TP-P404D22 Pump Head, 50' of 3/4" X 1" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC02	D6-P404D22 Power Unit, Perkins 2.2L, 4 cylinder diesel engine, H4TMS Pump Head, 50' of 3/4" X 1" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC03	D6-P404D22 Power Unit, Perkins 2.2L, 4 cylinder diesel engine, H6TP Pump Head, 50' of 3/4" X 1" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC04	D8-D4045, LP, John Deere 4.5 L, 72Hp Cont., 4 cylinder diesel engine, H6TMS Pump Head, 50' of 1 1/4" X 1" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC05	D8-D4045, LP, John Deere 4.5 L, 72Hp Cont., 4 cylinder diesel engine, H6MS Pump Head, 50' of 1 1/4" X 1" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC06	D12-D6068HF285 John Deere 6.8 L, 6 cylinder diesel engine; 139 HP cont., H6MS Pump Head, 50' of 1 1/4" X 1 1/2" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC07	D8-D4045, LP, John Deere 4.5 L, 72Hp Cont., 4 cylinder diesel engine, 8TP Pump Head, 50' of 1 1/4" X 1" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
HC08	D12-D6068HF285 John Deere 6.8 L, 6 cylinder diesel engine; 139 HP cont., H12TP Pump Head, 50' of 1 1/4" X 1 1/2" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	

HC09	D14-D6068HF485, LP Tier 3, John Deere 6.8L, 6 cylinder diesel engine; 193 HP cont., H14TP Pump Head, 50' of 1 1/2" X 1 1/2" hydraulic hose, Instrument Panel, integral Fuel tank and trailer	
I. Electric Submersible Pumps		
Product Code	Model/Description	Bid Price
A. Godwin		
IA01	Model GSP05, 2" Electric Submersible Pump, 1/2 HP, 115/230 volt	
IA02	Model GSP10, 2" Electric Submersible Pump, 1 HP, 115/230 volt	
IA03	Model GST 05, 2" Electric Submersible Trash Pump, 1/2 HP, 115/230 volt	
IA04	Model GST 10, 2" Electric Submersible Trash Pump, 1 HP, 115/230 volt	
IA05	Model GSP/ GST Piggy Back Float Switch 30'	
IA06	Model GSP/ GST Piggy Back Float Switch 50'	
B. Gorman-Rupp		
IB01	Model S2A1, 2" Electric Submersible Pump 230Volt 3 Phase 2HP, NEMA Control Panel w/Standard 50' Cable	
IB02	Model S3A1,3" Electric Sbmersible Pump 230 Volt 3 Phase 5 HP, NEMA Control Panel w/Standard 50' Cable	
IB03	Model S4A1-E25, 4" Electric Submersible Pump 460 Volt 3 Phase 25 HP, NEMA Control Panel w/Standard 50' Cable	
IB04	Model S6A1-E60, 6" Electric Submersible Pump 460Volt 3 Phase 60 HP, NEMA Control Panel w/ Standard 50' Cable	
IB05	Model S8A1-E95, 8" Electric Submersible Pump 460 Volt 3 Phase 95 HP, NEMA Control Panel w/Standard 50' Cable	
IB06	Model S12A1-E140, 12" Electric Submersible Pump 460 Volt 3 Phase 140 HP, NEMA Control Panel w/Standard 50' Cable	
C. Koshin		
IC01	NSM-62511 3/4", 1" 110V, 1/8 HP (SOLD AS CARTONS OF 4)	
IC02	PX-65011 2" 110V 1/2 HP	
IC03	PXL-65011 3/4", 2" 110V 1/2 HP	
IC04	PS-65011 2" 110V 1/2 HP	
IC05	PKS-65011 2" 110V 1/2 HP	
IC06	PB-65011 2" 110V 1/2 HP	
IC07	PB7-65011 2" 110V 1 HP	
IC08	PB-68011 3" 110/220V 2 HP	
D. Wacker		
ID01	PS2-1503-0009120 Submersible Pump 220V/60 Hz, 2HP 3-Phase	
ID02	PS3-2203-0009129 Submercible Pump 220V/60Hz, 3HP 3-Phase	
ID03	PS4-5503-0009144 Submercible Pump 220V/60Hz 7.5HP 3-Phase	
ID04	PST2-400-0009112 Sub. Pump 110V/60Hz 1/2HP 20' Cord, Single Phase	
ID05	PSTF2-400-0620435 Sub. Pump 110V/60Hz 1/2HP 20' Cord, Single Phase	
ID06	PS2-500-0009113 Sub. Pump 110V/60Hz 2/3HP 32' Cord, Single Phase	

ID07	PSA2-500-0009114 Sub. Pump 110V/60Hz 2/3HP 32' Cord, Single Phase	
ID08	PS2-800-0620442 Sub. Pump 110V/60Hz 1HP 49' Cord, Single Phase	
ID09	PSG2-500-0620412 Sub. Pump 110V/60Hz 2/3HP 32' Cord, Single Phase	
ID10	PST3-750-0620440 Sub. Pump 110V/60Hz 1HP 33' Cord, Single Phase	
ID11	PSTF3-750-0620441 Sub. Pump 110V/60Hz 1HP 33' Cord, Single Phase	
E. Robin/Subaru		
IE01	RPX-65011 Sub. Pump 2" 1/2HP, 4110 GPH	
IE02	RPS-65011 Sub. Pump 2" 1/2HP, 4600 GPH	
IE03	RPB-65011 Sub. Pump 2" 1/2HP, 4600 GPH	
IE04	RPB7-65011 Sub. Pump 2" 1HP, 5520 GPH	
IE05	RPKS-65011 Sub. Pump, Trash, 1/2HP, 4760 GPH	
IE06	RPXL-65011 Sub. Pump 3/4" - 2" 1/2HP, 1500 GPH	
F. Multiquip		
IF01	YELLSUB, 1.25" Electric Submersible Pump, 0.25 Hp, 115volt, Single Phase	
IF02	SS233, 2" Electric Submersible Pump, 0.5 Hp, 115volt, Single Phase	
IF03	ST2038P, 2" Electric Submersible Pump, 1 Hp, 115volt, Single Phase	
IF04	ST2037, 2" Electric Submersible Pump, 1 Hp, 115volt, Single Phase	
IF05	ST2047, 2" Electric Submersible Pump, 1 Hp, 115volt, Single Phase	
IF06	ST2047B, 2" Electric Submersible Pump, 1 Hp, 230volt, Single Phase	
IF07	ST3020BCUL, 3" Electric Submersible Pump, 2 Hp, 230volt, Single Phase	
IF08	ST3050D, 3" Electric Submersible Pump, 5 Hp, specify 230 or 460volt, Three Phase	
IF09	ST4125D, 4" Electric Submersible Pump, 10 Hp, specify 230 or 460volt, Three Phase	
IF10	ST6125D, 6" Electric Submersible Pump, 15 Hp, specify 230 or 460volt, Three Phase	
IF11	PX400, 2" Electric Submersible Pump, 0.5 Hp, 115 volt, Single Phase	
IF12	ST2040T, 2" Electric Submersible Pump, 1 Hp, 115 volt, Single Phase	
IF13	ST2010TCUL, 2" Electric Submersible Pump, 1 Hp, 115 volt, Single Phase	
G. Tsurumi America		
IG01	Model HS2.4S-62, 2" Submersible Trash Pump, 2/3 HP Honda 110 Volt	
IG02	Model LB-480-62, 2" Submersible Dewatering Pump, 2/3 HP Honda, 110 Volt	
IG03	NK2-15, 3" Submersible Dewatering Pump, 2 HP Honda, 110/220 Volt	
J. Welders and Equipment		
Product Code	Model/Description	Bid Price
A. Lincoln Electric		
JA01	K1429-8 Power Arc 5500, Subaru Robin EX27 Gas Engine Driven Welder/Generator	
JA02	K2468-1 Ranger 10,000, Welder/Generator, Robin/Subaru OHV EH64 gas engine,	
JA03	K2337-1 Ranger 3-Phase, Welder/Generator w/Kohler Gas Engine	
JA04	K2382-2 Ranger GXT, Welder/Generator w/Kohler Gas Engine	
JA05	K1725-8 Ranger 250, 250 amps DC w/Kohler Gas Engine	
JA06	K2353-1 Ranger 305, 300 amps DC, w/ Kohler Gas Engine	
JA07	K2352-1 Ranger 305D, 300 amps DC, w/Kubota Diesel Engine	
JA08	K1278-8 SAE - 400 Severe Duty, 400 amp, Perkins Diesel Engine	

B. Miller		
JB01	MIL907266, Blue Star 145, Welder/Gen. w/10-HP Kohler gas engine, recoil start, std.	
JB02	MIL907268 Blue Star 185, Welder/Gen. w/13-HP Honda gas engine, recoil start, std.	
JB03	MIL907269 Blue Star 185, Welder/Gen. w/13-HP Kohler gas engine, electric start, - std. receptacles	
JB04	MIL907210 Bobcat 225 AC/DC Welder/Gen., 22-HP Robin gas engine, 10KW Auxiliary	
JB05	MIL907212 Bobcat 250 AC/DC Welder/Gen., 22-HP Robin gas engine, 10KW Auxiliary	
JB06	MIL907211 Bobcat 250 AC/DC Welder/Gen., 22-HP Kohler gas engine, 10KW Auxiliary	
JB07	MIL907255 Bobcat, 3-Phase Welder, 200/210/225 Volt, w/CH-20 Kohler gas engine	
JB08	MIL907212011 Bobcat, 250 AC/DC Welder/Gen. w/22-HP Robin gas eng. & 10KW Power, w/GFCI	
JB09	MIL907215 Trailblazer 275, DC Welder w/Robin Engine	
JB10	MIL907214 Trailblazer 275, DC Welder w/Kohler Engine	
JB11	MIL907216 Trailblazer 302, Welder w/Kohler CH-20 CC/AC engine, 120/240 volts, 60-Hz	
JB12	MIL907217 Trailblazer 302, Welder w/Robin 22-HP CC/AC engine, 120/240 volts, 60-Hz	
JB13	MIL907272 Legend 302, Welder/Gen. w/20-HP Kohler gas engine	
JB14	MIL907214022 Trailblazer 275, DC Welder w/Kohler LP gas engine and GFCI	
JB15	MIL907216022 Trailblazer 302, Welder/Gen. w/20-HP Kohler LP gas engine and GFCI	
JB16	MIL907213011 Bobcat 250, Welder/Gen. w/Kubota diesel engine & 10KW Aux. Power & Ground Fault	
JB17	MIL907218 Trailblazer 302, Welder w/19-HP Kubota diesel engine CC?AC 120/240 Volts, 60-	
JB18	MIL907114 Pro 300 CC/CV Deluxe Welder, w/3013C Caterpillar diesel engine	
JB19	MIL907173 Big Blue 400D CC Welder, w/ F3L2011 Deutz diesel engine	
JB20	MIL907175 Big Blue 400P CC Welder, w/ 404C.22 Perkins diesel engine	
JB21	MIL907172011 Big Blue 400D CC Idle Welder, w/ F3L2011 Deutz diesel engine	
JB22	MIL907174011 Big Blue 400P CC Idel Welder, w/ 404C.22 Perkins diesel engine	
JB23	MIL907171 Big 40 C CC Welder, w/3024C Caterpillar diesel engine,. 33-HP @ 1800rpm	
C. MultiQuip		
JC01	GAW135H, 135 Amp, 6.5 HP; 3600 RPM Honda gas engine	
JC02	BDW180MC, Battery welder, 170 Amp, (5) 12V-12Ah Batteries	
JC03	GAW180HE, 180 Amp, 9.5 HP; 3600 RPM Honda gas engine	
JC04	SDW225SSA, 225 Amp, 12.0 HP;3600 RPM Kubota diesel engine	
JC05	DLW300ESA, 300 Amp, 19.0 HP;3600 RPM Kubota diesel engine	
JC06	DLW330X2, 280/2 x 165 Amp, 24.0 HP;3600 RPM Kubota diesel engine	
JC07	DLW400ESA, 400/2 x 200 Amp, 31.5 HP;3600 RPM Kubota diesel engine	
JC08	DAW500SA, 500 Amp, 34.5 HP;2700 RPM Kubota diesel engine	
K. Concrete Systems		
A. Cart-Away Concrete Systems		
KA01	CMT-100 1 Yard Concrete Mixing Trailer	
KA02	CMK-175 1-3/4 Yard MixKing Concrete Mixing Trailer	
KA03	CUBE Universale On-Site Batching Unit, Mixer and Loader In One Package	
KA04	CPS-125 1-1/4 Yard Skid Mounted Concrete Mixer	
KA05	CPS-175 1-3/4 Yard Skid Mounted Concrete Mixer	
KA06	CLP-200 LoadPro Loading Unit, 2 Yard Hopper	
KA07	MBL-100 Mini Belt Loader w/Power Pack	
KA08	CBL1 Single Hopper Automated Loading Unit, Silo	
KA09	CBL2 Double Hopper Automated Loading Unit, Silo	

This is a sample of the contract that will be sent to you for execution IF you are recommended for a contract award. Do NOT complete and return with your Response.

A CONTRACT BETWEEN HOUSTON-GALVESTON AREA COUNCIL, Houston, Texas AND _____

This Contract is made and entered into by the **Houston-Galveston Area Council of Governments**, hereinafter referred to as **H-GAC**, having its principal place of business at 3555 Timmons Lane, Suite 100, Houston, Texas 77027, AND, _____ hereinafter referred to as the **CONTRACTOR**, having its principal place of business at _____.

ARTICLE 1: SCOPE OF SERVICES

The parties have entered into a _____ Contract to become effective as of _____, and to continue through _____ (the "**Contract**"), subject to extension upon mutual agreement of the **CONTRACTOR** and **H-GAC**. **H-GAC** enters into the Contract as Agent for participating governmental agencies, each hereinafter referred to as **END USER**, for the purchase of _____ offered by the **CONTRACTOR**. The **CONTRACTOR** agrees to sell _____ through the **H-GAC** Contract to **END USERS**.

ARTICLE 2: THE COMPLETE AGREEMENT

The Contract shall consist of the documents identified below in order of precedence:

1. The text of this Contract form, including but not limited to, Attachment A
2. General Terms and Conditions
3. Bid Specifications No: _____, including any relevant suffixes
4. **CONTRACTOR's** Response to Bid No: _____, including but not limited to, prices and options offered

All of which are either attached hereto or incorporated by reference and hereby made a part of this Contract, and shall constitute the complete agreement between the parties hereto. This Contract supersedes any and all oral or written agreements between the parties relating to matters herein. Except as otherwise provided herein, this Contract cannot be modified without the written consent of both parties.

ARTICLE 3: LEGAL AUTHORITY

CONTRACTOR and **H-GAC** warrant and represent to each other that they have adequate legal counsel and authority to enter into this Contract. The governing bodies, where applicable, have authorized the signatory officials to enter into this Contract and bind the parties to the terms of this Contract and any subsequent amendments thereto.

ARTICLE 4: APPLICABLE LAWS

The parties agree to conduct all activities under this Contract in accordance with all applicable rules, regulations, directives, issuances, ordinances, and laws in effect or promulgated during the term of this Contract.

ARTICLE 5: INDEPENDENT CONTRACTOR

The execution of this Contract and the rendering of services prescribed by this Contract do not change the independent status of **H-GAC** or **CONTRACTOR**. No provision of this Contract or act of **H-GAC** in performance of this Contract shall be construed as making **CONTRACTOR** the agent, servant or employee of **H-GAC**, the State of Texas or the United States Government. Employees of **CONTRACTOR** are subject to the exclusive control and supervision of **CONTRACTOR**. **CONTRACTOR** is solely responsible for employee payrolls and claims arising therefrom.

ARTICLE 6: END USER AGREEMENTS

H-GAC acknowledges that the **END USER** may choose to enter into an End User Agreement with the **CONTRACTOR** through this Contract and that the term of said Agreement may exceed the term of the **H-GAC** Contract. However this acknowledgement is not to be construed as **H-GAC's** endorsement or approval of the End User Agreement terms and conditions. **CONTRACTOR** agrees not to offer to, agree to or accept from **END USER** any terms or conditions that conflict with or contravene those in **CONTRACTOR's** **H-GAC** contract. Further, termination of this Contract for any reason shall not result in the termination of the underlying End User Agreements entered into between **CONTRACTOR** and any **END USER** which shall, in each instance, continue pursuant to their stated terms and duration. The only effect of termination of this Contract is that **CONTRACTOR** will no longer be able to enter into any new End User Agreements with **END USERS** pursuant to this Contract. Applicable **H-GAC** order processing charges will be due and payable to **H-GAC** on

any End User Agreements surviving termination of this Contract between **H-GAC** and **CONTRACTOR** .

ARTICLE 7: SUBCONTRACTS & ASSIGNMENTS

CONTRACTOR agrees not to subcontract, assign, transfer, convey, sublet or otherwise dispose of this Contract or any right, title, obligation or interest it may have therein to any third party without prior written notice to **H-GAC**. **H-GAC** reserves the right to accept or reject any such change. **CONTRACTOR** shall continue to remain responsible for all performance under this Contract regardless of any subcontract or assignment. **H-GAC** shall be liable solely to **CONTRACTOR** and not to any of its Subcontractors or Assignees.

ARTICLE 8: EXAMINATION AND RETENTION OF CONTRACTOR'S RECORDS

CONTRACTOR shall maintain during the course of its work, complete and accurate records of items that are chargeable to **END USER** under this Contract. **H-GAC**, through its staff or its designated public accounting firm, the State of Texas, or the United States Government shall have the right at any reasonable time to inspect copy and audit those records on or off the premises of **CONTRACTOR**. Failure to provide access to records may be cause for termination of this Contract. **CONTRACTOR** shall maintain all records pertinent to this Contract for a period of not less than five (5) calendar years from the date of acceptance of the final contract closeout and until any outstanding litigation, audit or claim has been resolved. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. **CONTRACTOR** further agrees to include in all subcontracts under this Contract, a provision to the effect that the subcontractor agrees that **H-GAC'S** duly authorized representatives, shall, until the expiration of five (5) calendar years after final payment under the subcontract or until all audit findings have been resolved, have access to, and the right to examine and copy any directly pertinent books, documents, papers, invoices and records of such subcontractor involving any transaction relating to the subcontract.

ARTICLE 9: REPORTING REQUIREMENTS

CONTRACTOR agrees to submit reports or other documentation in accordance with the General Terms and Conditions of the Bid Specifications. If **CONTRACTOR** fails to submit to **H-GAC** in a timely and satisfactory manner any such report or documentation, or otherwise fails to satisfactorily render performance hereunder, such failure may be considered cause for termination of this Contract.

ARTICLE 10: MOST FAVORED CUSTOMER CLAUSE

If **CONTRACTOR**, at any time during this Contract , routinely enters into agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to **H-GAC** on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to **H-GAC**, **CONTRACTOR** shall notify **H-GAC** within ten (10) business days thereafter of that offering and this Contract shall be deemed to be automatically amended effective retroactively to the effective date of the most favorable contract, wherein **CONTRACTOR** shall provide the same prices, warranties, benefits, or terms to **H-GAC** and its **END USER**. **H-GAC** shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If **CONTRACTOR** is of the opinion that any apparently more favorable price, warranty, benefit, or term charged and/or offered a customer during the term of this Contract is not in fact most favored treatment, **CONTRACTOR** shall within ten (10) business days notify **H-GAC** in writing, setting forth the detailed reasons **CONTRACTOR** believes aforesaid offer which has been deemed to be a most favored treatment, is not in fact most favored treatment. **H-GAC**, after due consideration of such written explanation, may decline to accept such explanation and thereupon this Contract between **H-GAC** and **CONTRACTOR** shall be automatically amended, effective retroactively, to the effective date of the most favored agreement, to provide the same prices, warranties, benefits, or terms to **H-GAC**.

The Parties accept the following definition of routine: A prescribed, detailed course of action to be followed regularly; a standard procedure. *EXCEPTION: This clause shall not be applicable to prices and price adjustments offered by a bidder, or contractor, which are not within bidder's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.*

ARTICLE 11: SEVERABILITY

All parties agree that should any provision of this Contract be determined to be invalid or unenforceable, such determination shall not affect any other term of this Contract, which shall continue in full force and effect.

ARTICLE 12: DISPUTES

Any and all disputes concerning questions of fact or of law arising under this Contract, which are not disposed of by agreement, shall be decided by the Executive Director of **H-GAC** or his designee, who shall reduce his decision to writing and provide notice thereof to **CONTRACTOR**. The decision of the Executive Director or his designee shall be final and conclusive unless,

within thirty (30) days from the date of receipt of such notice, **CONTRACTOR** requests a rehearing from the Executive Director of **H-GAC**. In connection with any rehearing under this Article, **CONTRACTOR** shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. **CONTRACTOR** may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, **CONTRACTOR** shall proceed diligently with the performance of this Contract and in accordance with **H-GAC'S** final decision.

ARTICLE 13: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the **CONTRACTOR** and an **END USER**, **CONTRACTOR'S** total liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify **H-GAC** described in Article 14, is limited to the price of the particular products/services sold hereunder, and **CONTRACTOR** agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will **CONTRACTOR** be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. **CONTRACTOR** understands and agrees that it shall be liable to repay and shall repay upon demand to **END USER** any amounts determined by **H-GAC**, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Contract.

ARTICLE 14: LIMIT OF H-GAC'S LIABILITY AND INDEMNIFICATION OF H-GAC

H-GAC'S liability under this Contract, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will **H-GAC** be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless **H-GAC**, its board members, officers, agents, officials, employees, and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgments, and liens arising as a result of **CONTRACTOR'S** negligent act or omission under this Contract. **CONTRACTOR** shall notify **H-GAC** of the threat of lawsuit or of any actual suit filed against **CONTRACTOR** relating to this Contract.

ARTICLE 15: TERMINATION FOR CAUSE

H-GAC may terminate this Contract for cause based upon the failure of **CONTRACTOR** to comply with the terms and/or conditions of the Contract; provided that **H-GAC** shall give **CONTRACTOR** written notice specifying **CONTRACTOR'S** failure. If within thirty (30) days after receipt of such notice, **CONTRACTOR** shall not have either corrected such failure, or thereafter proceeded diligently to complete such correction, then **H-GAC** may, at its option, place **CONTRACTOR** in default and the Contract shall terminate on the date specified in such notice. **CONTRACTOR** shall pay to **H-GAC** any order processing charges due from **CONTRACTOR** on that portion of the Contract actually performed by **CONTRACTOR** and for which compensation was received by **CONTRACTOR**.

ARTICLE 16: TERMINATION FOR CONVENIENCE

Either **H-GAC** or **CONTRACTOR** may cancel or terminate this Contract at any time by giving thirty (30) days written notice to the other. **CONTRACTOR** may be entitled to payment from **END USER** for services actually performed; to the extent said services are satisfactory to **END USER**. **CONTRACTOR** shall pay to **H-GAC** any order processing charges due from **CONTRACTOR** on that portion of the Contract actually performed by **CONTRACTOR** and for which compensation is received by **CONTRACTOR**.

ARTICLE 17: CIVIL AND CRIMINAL PROVISIONS AND SANCTIONS

CONTRACTOR agrees that it will perform under this Contract in conformance with safeguards against fraud and abuse as set forth by **H-GAC**, the State of Texas, and the acts and regulations of any funding entity. **CONTRACTOR** agrees to notify **H-GAC** of any suspected fraud, abuse or other criminal activity related to this Contract through filing of a written report promptly after it becomes aware of such activity.

ARTICLE 18: GOVERNING LAW & VENUE

This Contract shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with this Contract shall lie exclusively in Harris County, Texas. Disputes between **END USER** and **CONTRACTOR** are to be resolved in accord with the law and venue rules of the state of purchase. **CONTRACTOR** shall immediately notify **H-GAC** of such disputes.

ARTICLE 19: PAYMENT OF H-GAC ORDER PROCESSING CHARGE

CONTRACTOR agrees to sell its products to **END USERS** based on the pricing and other terms of this Contract, including, but not limited to, the payment of the applicable **H-GAC** order processing charge. On notification from an **END USER** that an order has been placed with **CONTRACTOR**, **H-GAC** will invoice **CONTRACTOR** for the applicable order processing charge. Upon delivery of any product/service by **CONTRACTOR** and acceptance by **END USER**, **CONTRACTOR** shall, within thirty (30) calendar days or ten (10) business days after receipt of payment, whichever is less, pay **H-GAC** the full amount of the applicable order processing charge, whether or not **CONTRACTOR** has received an invoice from **H-GAC**. For sales made by **CONTRACTOR** based on this contract, including sales to entities without Interlocal Contracts, **CONTRACTOR** shall pay the applicable order processing charges to **H-GAC**. Further, **CONTRACTOR** agrees to encourage entities who are not members of **H-GAC's** Cooperative Purchasing Program to execute an **H-GAC** Interlocal Contract. **H-GAC** reserves the right to take appropriate actions including, but not limited to, contract termination if **CONTRACTOR** fails to promptly remit **H-GAC's** order processing charge. In no event shall **H-GAC** have any liability to **CONTRACTOR** for any goods or services an **END USER** procures from **CONTRACTOR**.

ARTICLE 20: LIQUIDATED DAMAGES

Any liquidated damages terms will be determined between **CONTRACTOR** and **END USER** at the time **END USER's** purchase order is placed.

ARTICLE 21: PERFORMANCE BONDS FOR INDIVIDUAL ORDERS

Except as described below for fire apparatus, **CONTRACTOR** agrees to provide a Performance Bond at the request of **END USER** within ten (10) days of receipt of **END USER's** purchase order.

It shall be standard procedure for every order received for fire apparatus that a Performance Bond in the amount of the order be provided to the **END USER**. Failure of **CONTRACTOR** to provide such performance bond within ten (10) days of receipt of **END USER's** order may constitute a total breach of contract and shall be cause for cancellation of the order at **END USER's** sole discretion. **END USER** may choose to delete the requirement for a Performance Bond at **END USER's** sole discretion. If the bond requirement is waived, **END USER** shall be entitled to a price reduction commensurate with the cost that would have been incurred by **CONTRACTOR** for the bond.

ARTICLE 22: CHANGE OF CONTRACTOR STATUS

CONTRACTOR shall immediately notify **H-GAC**, in writing, of ANY change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name, and shall also advise whether or not this Contract shall be affected in any way by such change. **H-GAC** shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Contract.

ARTICLE 23: LICENSING REQUIRED BY TEXAS MOTOR VEHICLE BOARD [IF APPLICABLE]

CONTRACTOR will for the duration of this Contract maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Contract period, any **CONTRACTOR'S** license is not renewed, or is denied or revoked, **CONTRACTOR shall** be deemed to be in default of this Contract unless the Motor Vehicle Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to **H-GAC** upon request.

IN WITNESS WHEREOF, the parties have caused this Contract to be executed by their duly authorized representatives.

Signed for **Houston-Galveston Area Council**, Houston, Texas: _____
Jack Steele, Executive Director

Attest for **Houston-Galveston Area Council**, Houston, Texas: _____
Deidre Vick, Director of Public Services
Date: _____, 20__

Signed for _____

Printed Name & Title: _____ Date: _____, 20__

Attest for _____

Printed Name & Title: _____ Date: _____, 20__