Bid Specification

Washington City
Grapevine Substation
125V_{DC} Battery System

October 2024

Intermountain Consumer
Professional Engineers, Inc.
1145 East South Union Avenue
Midvale, Utah 84047
(801) 255-1111

TABLE OF CONTENTS

Section - Contents **Page**

NOTICE TO BIDDERS

NOTICE TO BIDDERS:

Bids will be received by Washington City ("Purchaser") for:

WASHINGTON CITY
GRAPEVINE SUBSTATION
BATTERY SYSTEM

The Bids will be for the furnishing of one (1) 125 VDC Battery System for the Grapevine Substation. Bids will be in accordance with the Specification Documents prepared by Intermountain Consumer Professional Engineers, Inc. ("ICPE"), (hereinafter referred to as "Engineer").

Proposals are to be emailed to **Tara Pentz** (tpentz@washingtoncity.org) at Washington City (hereinafter referred to as "Purchaser"), before 3:00 pm on November 14, 2024. The purchaser shall enter into only one contract for the equipment to be provided under this specification.

The project schedule is as follows:

Bid due date: ***November 14, 2024***

Equipment delivered to the project site on or before: June 10, 2025. Please provide an alternative bid if this delivery cannot be met.

Purchaser reserves the right to reject any or all bids or to waive any formality or technicality in any bid in the interest of Purchaser.

INSTRUCTIONS TO BIDDERS

1. SCOPE OF CONTRACT: Bidder shall be fully responsible for all labor, material and equipment necessary for providing a complete $125V_{DC}$ Battery System.

2. SECURING AND COMPLIANCE WITH BIDDING DOCUMENTS: Specifications may be obtained at the time and place indicated on the Notice to Bidders. Bidders shall comply with all conditions stipulated in such bidding documents.

3. INTERPRETATION OF DRAWINGS AND DOCUMENTS:

   a. If any bidder is in doubt as to the true meaning of any part of the Specification, or finds errors, discrepancies or omissions in them, he shall at once request interpretation or correction from the Engineer.
   b. The Engineer will promptly clarify the area in question and issue written instructions to all prospective bidders. Verbal instructions or interpretations will have no validity, regardless of source.
   c. Request for such clarifications must be in the office of the Engineer a minimum of three (3) days prior to bid opening.

4. PREPARING AND SUBMITTING BIDS:

   a. Bids shall be prepared on the forms as found in this specification.
   b. Bids will bear no marks, erasures, or writing changes, other than those provided or requested.
   c. No verbal or telephone bid modifications or cancellations will be considered.
   d. The bidder guarantees there shall be no revisions or withdrawal of bid amount for a period of 60 days after bid opening.
   e. Bid shall be signed by a Principal duly authorized to make contracts.
   f. Bid proposals shall reflect the cost of all work required by the bidding documents, plus additions, deletions, or modifications required by addenda issued prior to bid opening.
   g. Bids shall be submitted by email and addressed to:

      Tara Pentz, Recorder
      Washington City
      111 North 100 East
      Washington City, UT 84780
      tpentz@washingtoncity.org

   i. It is the bidder's sole responsibility to see that his bid is received at the proper time and place. Any bid received after scheduled bid opening will be considered non-responsive.

5. EXCEPTIONS

   a. Each bidder shall attach a list, with it's Proposal, of all exceptions or conflicts between his proposal and the specifications and documents. If the bidder takes no exceptions, he shall indicate on the proposal that no exceptions are taken. Proposals which do not comply with this requirement will be considered irregular and may be rejected at the discretion of the Purchaser. In case of conflicts not stated as directed, the requirements of the specifications and documents shall govern.
   b. If the bidder takes exception, all such exceptions shall be specific in nature and carefully referenced to the applicable page number, article number, and article title of the specifications and documents. If the bidder proposes deletion of specification language and substitution of revised language, such deletion

and substitution shall be carefully presented by typing complete paragraphs or articles of the original specification language and incorporating the substitute language. Proposed deletions shall be set off by brackets, thus: [delete this language], and proposed substitute language shall be indicated by underlining, thus: substitute this languages Exceptions which are general, which make reference to the bidder's standard terms and conditions, or which make reference to the bidder's descriptive information as a whole will not be acceptable. Proposals which do not comply with these requirements for the presentation of exceptions will not be acceptable and may be rejected.

c. If a proposal includes express or implied exceptions that are not listed as required, the requirements of the specifications and documents shall govern. The bidder shall not alter any part of the specifications and documents in any way, except by stating his exceptions.

6. BID WITHDRAWALS: Prior to the specified time for receipt of bids, Bidders may withdraw a bid by written request.

7. BID OPENING AND DATE: Bid opening time and date is as per the Notice to Bidders found in this Specification.

8. BID PROPOSAL:

   a. Firm prices shall be quoted.
   b. The Purchaser reserves the right to waive minor irregularities or minor errors in any proposal if it appears to the Purchaser that such irregularities or errors were made inadvertently. Any such irregularities or errors so waived must be corrected in the Proposal in which they occur prior to the execution of any contract which may be awarded thereon.
   c. All Bidders will be notified of any changes in the specifications in addendum letters. Receipt of addendum letters must be acknowledged in the bid proposal.

9. INTERPRETATION AND ADDENDA

   a. If any prospective Bidder is in doubt as to the true meaning of any part of the proposed contract documents, he may submit to the Engineer a written request for an interpretation. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by addendum transmitted to each party receiving a set of such documents. The Purchaser will not be responsible for any other explanations or interpretations of the proposed documents.
   b. It shall be the Bidder's responsibility to advise the Engineer, before the time specified for receipt of proposals, of conflicting requirements or omissions of information which require clarification. Those questions not resolved by addenda shall be listed in the space provided on the proposal form, together with statements of the basis upon which the proposal is made as affected by each question.

10. AWARD OR REJECTION OF BID: The Purchaser reserves the right to reject any and all bids and to waive any irregularities therein.

11. ACCEPTANCE OF BID: No Bidder shall consider himself under contract until a Letter of Acceptance, bearing an authorized signature, and purchase order number is provided by the Purchaser to the Bidder.

PART 1 – GENERAL REQUIREMENTS

1.1 SCOPE

A. The purpose of this specification is to furnish the specific data and requirements pertaining to a standby battery system, one (1) 125 V_{DC} battery system, to be purchased by Washington City Power Department for installation in its Grapevine Substation.

1.2 CORRESPONDENCE

A. Bids shall be submitted by email and addressed to:

Tara Pentz, Recorder
Washington City
111 North 100 East
Washington City, UT 84780
Email: tpentz@washingtoncity.org

B. All questions regarding the battery system specification should be addressed to:

Intermountain Consumer Professional Engineers, Inc.
ATTN: Mac Fillingim
1145 East South Union Avenue
Midvale, UT 84047
Telephone: (801)255-1111
Email: mac.fillingim@icpeinc.com

1.3 BID PROPOSAL

A. Firm prices shall be quoted. Any price escalation factors employed to establish an invoice price are to be clearly stated and fully explained on the "Price Data" form.

B. All bids shall be marked “Washington City Grapevine Substation - Battery System Bid.”

C. **The Purchaser reserves the right to accept or reject any or all bids, or any portion thereof.**

D. The Purchaser reserves the right to waive minor irregularities or minor errors in any proposal if it appears to the Purchaser that such irregularities or errors were made inadvertently. Any such irregularities or errors so waived must be corrected in the Proposal in which they occur prior to the execution of any contract which may be awarded thereon.

E. All Bidders will be notified of any changes in the specifications in addendum letters. Receipt of addendum letters must be acknowledged in the bid proposal.

F. **Any exceptions to this specification shall clearly be stated in the Bidder’s proposal.**

1.4 BID EVALUATION

A. The Purchaser will consider the prices and delivery dates as only two elements making up the total value of the material to be purchased.

B. Other items which will be considered in the bid evaluation are:

1. The Bidder's past performance(s) in providing battery systems and meeting quoted deliveries.
2. The Bidder's deviations from the specifications.

3. Warranties.
4. Manufacturer's cancellation policy.

C. The proposed battery system must be approved by the Purchaser's Engineer prior to issuing a purchase order.

1.5 PURCHASE ORDER

A. It is anticipated that a purchase order will be issued to the successful Bidder(s) within ninety (90) days after the due date for the receipt of the proposals. All bids shall be valid for ninety (90) days.

1.6 DELIVERY AND SHIPPING

A. Delivery dates shall be indicated in the Bidders proposal and delivery shall be no later than indicated unless otherwise mutually agreed to by both parties. Firm delivery dates shall be of prime concern during the bid evaluation. Date of shipment shall be as promised by the Bidder, based upon prompt receipt of all necessary information. The date of shipment shall be defined as the date the bill of lading is signed by the carrier.

B. Any change in the delivery date shall be reported immediately by telephone, followed by a written confirmation and explanation thereof. The delivery date shall be extended for the period of any reasonable delay due exclusively to causes beyond the control and without the fault of the Seller.

C. Shipping shall be FOB destination (Washington City, Utah). The title to the material and apparatus furnished hereunder shall pass to the Purchaser at the destination point.

D. The batteries, racks, and chargers shall be shipped in assembled units insofar as is consistent with good shipping practice. The apparatus shall be carefully packed for shipment. If items must be disassembled for shipment, they shall be "match-marked". All units and their containers shall be "piece-marked" and shall show the purchase order number.

E. On the same day that any shipment to the purchaser is originated, a transmission, including the following, shall be forwarded to the Purchaser:

1. Packing List - Two (2) copies.
2. Bill of Lading - Original and two (2) copies.
3. Packing list shall also accompany each shipment.

1.7 INVOICING

A. Invoices shall be submitted in triplicate form to:

Mr. Rick Hansen
Washington City
111 North 100 East
Washington City, UT 84780-1632
Telephone: (435) 656-6320

1.8 PAYMENT

A. Upon the shipment of any equipment hereunder, the Seller shall submit to the Purchaser a detailed invoice in duplicate of the equipment shipped. Within 30 days after delivery of the equipment, the Purchaser shall make payment therefore to the Seller.

1.9 CANCELLATION

A. In the event the Purchaser shall be required, or deems it advisable, to suspend or terminate the work being performed pursuant to this Specification, the Purchaser may do so at any time by written notice to the Seller. In such cases, the Seller would take whatever action with respect to work in process as would minimize its claim against the Purchaser. The Purchaser would pay the Seller a reasonable suspension or termination charge for all disbursements or expenses which the Seller has incurred or become obligated for prior to the date of notice of cancellation, less the reasonable resale value of the materials, equipment, and apparatus which shall have been obtained or ordered to become an integral part of the work, and excluding any allowance for anticipated profits on the unperformed portion of the work. Reimbursement portions of this section would not apply to cancellations caused by design changes by the Manufacturer not authorized by the Purchaser or caused by delivery of material beyond the quoted delivery date(s) not authorized by the Purchaser.

1.10 EXCEPTIONS

A. Any exceptions to this Specification shall be clearly stated in the Bidder's proposal. The fact that there are exceptions will not necessarily preclude the selection of the Bidder's proposal. Any exceptions will be itemized in the evaluation of the proposal. If no exceptions to this Specification are taken by the Bidder, this shall also be clearly stated.

B. Alternative offerings will be considered, but they must clearly be indicated as alternatives.

1.11 WARRANTY

A. Manufacturer shall warrant to Purchaser that the equipment or services to be furnished hereunder shall be of the highest quality and free from defects in material, workmanship, and title and will be of the kind designed in the pertinent purchase order. The Manufacturer's warranty shall be effective for a minimum period of twelve (12) months after the date of shipment to Purchaser. Terms of Manufacturer's warranty shall be included in the bid proposal and will be a criterion for evaluation of the proposal.

1.12 STANDARDS

A. Unless otherwise stated, the latest revisions of the standards of ANSI, NEMA, IEEE, ASTM, NEC, NESC and UL, shall be met in design, testing, and manufacturing of the equipment covered by this Specification. In the event a conflict occurs between these codes and specifications which will follow, the more stringent requirements shall govern.

B. All materials and devices shall be in accordance with the applicable requirements of the Federal “Occupational Safety and Health Standards.”

C. Only new equipment/materials of recent manufacture shall be furnished.

1.13 INSPECTION/CERTIFICATION

A. A representative of the Purchaser shall be allowed free access at all reasonable times to the Manufacturer's shops and those of his suppliers for inspection of the equipment, or any of its parts, and to obtain information on the progress of the work. Any work or material found to be defective or which does not meet the requirements of this Specification may be rejected and shall be replaced by the Manufacturer at his own expense. Such inspection, however, shall not relieve the Manufacturer from responsibility for the quality and correctness of the work.

B. The supplier shall submit certification to the Owner stating that the batteries furnished under these specifications, including cells, racks, and accessories, do not differ materially from prototype batteries which have been qualified, tested, and documented as suitable for seismic conditions of equal or greater severity than those conditions specified in this article.

1.14 DRAWINGS AND DESCRIPTIONS

A. The following drawings and descriptions shall accompany the Bidder's proposal:

1. General arrangement drawings showing the overall dimensions and relative location of all principal parts (batteries, chargers, racks).
2. General description of type of materials used for the principal parts.
3. General description and diagrams showing the equipments mounting and handling facilities and clearance requirements.
4. Base drawings in sufficient detail to assist the Purchaser's Engineer in making preliminary layout plans.
5. Information on the batteries characteristics, including AmpHr rating, K-factor, etc.

B. Within two (2) weeks after receipt of purchase order, the Manufacturer shall furnish via email to the Purchaser's engineer:

Mac Fillingim
Email: mac.fillingim@icpeinc.com

1. One (1) set of certified, equipment drawings in AutoCAD format version 2014 or later.
2. One (1) set of Installation, Operations and Maintenance Manuals.
3. One (1) set of Equipment Specification Sheets and Parts Lists.

PART 2 – BATTERIES (125 VOLT BATTERY BANK)

2.1 GENERAL

A. One (1) 125 volt battery bank shall be supplied. Batteries shall be lead calcium, 125 volt, 20 year design life for supplying standby power for substation equipment and control equipment. The 125 V_{DC} battery bank shall be sized for loading as indicated by the load duty cycle. Alternate offerings such as lead selenium or nickel cadmium will be considered. Prices for VRLA batteries are requested. Complete information on battery type, size, and characteristics shall be provided.

B. Battery cells shall be of the stationary type installed in plastic containers with durable construction for long life and trouble free operation. Safety vents shall be included which will prevent accidental sparks or flames from entering the cell. Battery cells shall be rated for seismic design category C conditions. The assembled batteries shall be capable of supplying the specified duty cycle during and after a seismic design category C event.

2.2 DESIGN AND CONSTRUCTION

A. Each battery cell shall be lead-acid pasted plate type with lead-calcium alloy plate grids, positive plates shall be a minimum thickness of .25" thick.

B. Each plate grid shall be cast using a “bottom pour” process; the die cast method of grid fabrication is not acceptable. Each battery will be permanently marked with the ampere size and recommended specific gravity.

C. Cell containers shall be sealed, clear, shock absorbing, heat resistant plastic, with electrolyte high and low level markers and spray proof vents.

D. Rating: each battery shall be rated in accordance with the following table:

	125 VOLT BATTERY
Nominal system voltage	125
System description	2 wire, ungrounded
Minimum ambient temperature	50 F
Quantity of cells	60
Specific gravity of electrolyte, fully charged, corrected to 77 F	1.215
Voltage, volts per cell	
Floating	2.22
Final	1.75
Maximum during equalizing or recharging following discharge	2.33
Ampere hour rating	per duty cycle (100 AH minimum)

E. Battery Sizing shall be per IEEE standard 485 with utilization of a temperature correction factor of 1.08, a design margin of 1.15, and an age factor of 1.25.

F. Battery shall be sized according to the following duty cycle:

Size for Worst Case Conditions:	**AMPS**	**Minutes**	**Ah**
Utility Power Outage			
Cont. for 30 minutes followed by	5.0	30.0	2.5
All CBs & Reclosers open followed by	43.0	9.0	6.5
Cont. for 323 minutes followed by	5.0	307.0	25.6
All CBs & Reclosers close/sprg charge followed by	46.0	9.0	6.9
All CBs & Reclosers open followed by	43.0	9.0	6.5
Cont. for 107 minutes followed by	5.0	107.0	8.9
All CBs & Reclosers close/sprg charge followed by	46.0	9.0	6.9
Utility Power Restored			
Total		480.0	63.7

G. Pre shipment Charge.

1. Each cell shall be given a full charge within one week before shipment to the substation site.

H. Connector Bolt Torque.

1. The manufacturer's recommended torque for connector bolts shall be included in the instruction and maintenance manuals.

I. Accessories.

1. Each battery shall be furnished with the following accessories:

   a. Lead coated intercell connectors or straps to provide not less than ½ inch between cells.
   b. Lead coated interstep connectors or conductors for each battery rack.
   c. Connector bolts with acid resistant nuts.
   d. Solderless terminal lugs one per polarity, sized for battery system ampacity.
   e. Cell lifting facilities.
   f. Vinyl coated assembly wrenches.
   g. No-Ox-Id grease.
   h. One portable acid electrolyte thermometer with specific gravity correction scales.
   i. One portable acid electrolyte hydrometer syringe.
   j. One set of numerals (one numeral per cell) suitable for permanent attachment to cells.

PART 3 – RACKS AND CONTAINMENT

3.1 Racks shall be provided to support the battery cells for the battery bank. The rack(s) shall be made of structural steel painted with acid resistant finish, and including all parts and accessories required for assembly.

3.2 The rack shall be designed for seismic protection in conformance with the Uniform Building Code (seismic zone 3). The rack will include side rails and provision for attachment to the floor and wall for support.

3.3 Containment basin is to be provided with the battery rack.

3.4 The substation battery shall be furnished with a 2-tier seismic rack or 2-step seismic rack.

A. Before application of paint, all surfaces shall be carefully cleaned of all dirt, moisture, rust, scale, lubricants and other substances. Lubricants shall be removed by suitable solvents. Rust and scale shall be removed by sandblasting, power sanding, power grinding or power wire brushing.

B. All steel shall have not less than two finish coats of acid resistant ANSI 61 gray paint or electrostatically applied epoxy coating finish. Paint films which show sags, checks, blisters, teardrops or fat edges will not be acceptable and if any such defects appear, they shall be repaired by the Contractor.

C. Battery supporting rails shall be covered with a protective vinyl runner plate not less than 1/16 inch thick.

PART 4 – BATTERY CHARGER

4.1 The battery charger and accessories furnished under these specifications shall conform to the applicable requirements of the IEEE, NEC, and the Federal "Occupational Safety and Health Standards."

4.2 The battery charger provided shall be suitable for automatically recharging one (1) lead-acid 125 V_{DC} battery bank as provided. The charger will, under normal operation, be used for supplying a floating charge and the normal (5 amp, minimum) DC load for the battery bank. When adjusting for holding the floating voltage, it shall maintain that voltage within close limits and automatically adapt to continuous and fluctuating loads within its capacity.

4.3 The charger for each bank shall automatically recharge the station battery in less than 12 hours when the battery is 50 percent discharged, with a constant load of 5 amps DC on the 125V system.

4.4 Each charger shall be automatic, fully regulated constant voltage, regulated current, static type, utilizing silicon rectifying devices. The output shall be filtered. Ripple shall be suppressed to 30 mV rms. The 125 V_{DC} shall be suitable for operation on a 240/120 V single phase, 60-Hz power supply. The chargers shall deliver the proper DC voltage regulated to within plus or minus one percent from zero to 100 percent load with AC input voltage variations of plus 6 percent and minus 10 percent and frequency variations of plus or minus 3-Hz.

4.5 Each charger shall be housed in a sturdy steel cabinet NEMA 1, No. 14 gauge (minimum), floor or wall mounted. Sufficient ventilation will be provided for convective cooling. All components shall be accessible from the front. A DC voltmeter and DC ammeter having a maximum error of 2 percent shall be mounted on the panel front. An AC ON/OFF switch with indicating light, separately adjustable float and equalizing potentiometers, input AC circuit breaker, output DC circuit breaker shall be provided.

4.6 The silicon diodes used in the chargers shall be applied at not more than 25 percent of their voltage rating. Proper transient voltage protection shall be provided to limit the transient voltage across the silicon diodes to not more than 2/3 of their voltage rating.

4.7 The charger shall be furnished with current-limiting facilities to limit output current to 125 percent of the rated value, set at 110% of output.

4.8 Charger failure and under-voltage alarm contacts shall be provided in addition to the under-voltage/over-voltage alarm relay.

4.9 The charger shall have a reverse-current protection to prevent draining the battery in the event of rectifier failure or short circuit.

4.10 The charger shall include the following equipment:

A. Output voltmeter and ammeter.

B. Single phase circuit breaker for AC input with overload protection for the 125 V_{DC} system.

C. Circuit breaker with overcurrent protection for DC output.

D. Indicating lamps for AC supply "ON."

E. Summary alarm contact for all alarms, furnished with one normally open and one normally closed contact wired to terminal blocks for connection to external circuits.

F. Peak pulse limiter, zener type.

G. Ground indicating lights (2).

H. Ground detection system with indicating lights and alarm contacts.

I. DC under-voltage alarm relay with alarm contacts.

J. DC over-voltage alarm relay with alarm contacts.

K. Equalizer timer.

L. 2 - Potentiometers, one “Float Voltage Adjust” and one “Equalizing Voltage Adjust.”

M. 1 - Lot of nameplates as required to identify the function of each item mounted on the charger control panel.

PART 5 – SHIPPING

5.1 Equipment shall be shipped completely assembled as far as practicable. Complete instructions for the field assembly of any loose parts or sections of a lineup must accompany the shipment.

5.2 The vendor shall ship per his option unless special instructions are specified on the purchase order.

5.3 All shipments shall be identified per instructions specified on the purchase order.

5.4 All shipping blocks, bindings, and other temporary materials requiring removal before energizing the equipment shall be clearly and distinctly identified. Temporary warning signs stating, "REMOVE TEMPORARY MATERIALS BEFORE ENERGIZING," shall be prominently displayed.

5.5 Three (3) sets of installation and maintenance instructions manuals, for the batteries, racks, and battery chargers shall be supplied at the time of equipment delivery.

PART 6 – PROPOSAL DATA

Name of Bidder: _____ Date: _____

To: Tara Pentz, Recorder
Washington City
111 North 100 East
Washington City, UT 84780
tpentz@washingtoncity.org

The undersigned, in compliance with this specification for one (1) 125 Volt DC Battery System for Washington City Grapevine Substation, having examined the specifications and related documents and being familiar with all of the conditions affecting the work, do hereby propose to furnish all materials and supplies as required in accordance with the contract documents as prepared by Intermountain Consumer Professional Engineers, Inc., within the time set forth and at the price stated below. This price is to cover all expenses incurred in providing the equipment required under the contract documents of which this proposal is a part.

I/We acknowledge receipt of the following addenda:

ADDENDA NO.	DATE RECEIVED

The undersigned hereby declares that the following list states any and all variations from and exceptions to the requirements of the contract documents and that, otherwise, it is the intent of this Proposal that the work will be performed in strict accordance with the contract documents.

_____

_____

_____

(Attach additional pages as required.)

These bids shall be good for 60 days after bid opening. Upon receipt of a contract, the Undersigned agrees to proceed with the furnishing of materials.

VLRA BATTERY SYSTEM

I/We agree to provide all material as described in the specifications for the sum of:

VRLA Battery System

NO.	ITEM	UNIT	UNIT PRICE	QTY	EXTENDED PRICE
1	125V_{DC} Battery and Accessories	Ea.	_____	1	_____
2	125 V_{DC} Battery Rack System and Accessories	Ea.	_____	1	_____
3	125 V_{DC} Battery Charger and Accessories	Ea.	_____	1	_____
4	Shipping to site	Ls.	_____	1	_____

TOTAL OF BID ..... $_____

LUMP SUM PRICE: The undersigned bidder hereby proposed to furnish to the project site the substation battery system and materials complete in accordance with the contract documents listed in Paragraph 1. I of the General Conditions for the firm lump sum price of:

_____ DOLLARS ($_____)

(Price in Words)

Quoted Delivery Dates:

The complete 125 V_{DC} Battery System (batteries, rack, and charger) will be delivered to the project site _____ weeks after a purchase order is issued.

TECHNICAL DATA TO BE FURNISHED WITH BID

The following technical information and data shall be submitted with the bid:

A. Batteries

1. Manufacturer: ..... _____
2. Voltage: ..... _____
3. Cell type: ..... _____
4. Quantity of cells: ..... _____
5. Amp hour rating: ..... _____
6. Voltage per cell: ..... _____
7. Ambient operating range: ..... _____
8. Accessories as per specification: Yes □ No □

B. Rack

1. Rack type: ..... _____
2. Rack dimensions: ..... _____
3. Seismic rating: ..... _____

C. Battery Charger

1. Manufacturer: ..... _____
2. Rating: ..... _____
3. AC input volts/amps: ..... _____
4. DC output volts/amps: ..... _____
5. Dimensions: ..... _____
6. Wall/floor mount: ..... _____
7. Weight: ..... _____
8. Alarm contacts and indicating lights as per specification: Yes □ No □

Dated at: _____ this ____ day of _____ 20 ___.

Bidder _____ (SEAL)

By _____

(Signature)

_____

(Printed or Typed)

Title _____

Attest:

_____

Complete Business Address of Bidder: _____

_____

_____

State of Incorporation: _____

Complete Address of Principal Offices: _____

_____

_____

Name, Address and Telephone Number of Person to Contact Regarding this Proposal. Include both Mail and Street Addresses: _____

_____

_____

_____

Telephone: _____

Facsimile: _____