



MERCED IRRIGATION DISTRICT

Request For Proposal (RFP) MID-RFP-2014-05

ONE NEW DIESEL-FUELED STATIONARY GENERATOR SET (BOOSTER #1)

Notice is hereby given that the Merced Irrigation District (MID) calls for proposals to furnish ONE NEW DIESEL-FUELED STATIONARY GENERATOR SET (BOOSTER # 1).

1. The proposal specifications contained in the Equipment Proposal Form provide in detail the District's requirements for the Unit. Equipment Proposal Forms are available by contacting Merced Irrigation District purchasing agent by email at rhollinger@mercedid.org, or online at <http://www.mercedid.org/index.cfm/rfp-solicitations/>.
2. Each proposal shall be made on the Equipment Proposal Form furnished by Merced Irrigation District.
3. The proposal amount shall include the furnishing of all labor, supervision, equipment, supplies, transportation, taxes, fees, permits, and all other items necessary to perform the work and services requested.
4. Proposal documents must be received in a sealed, opaque envelope clearly labeled with "ONE NEW DIESEL-FUELED STATIONARY GENERATOR SET (BOOSTER # 1)" and the name of the Bidder printed on the outside of the envelope. Proposals received unsealed or unlabeled will not be considered. Proposals submitted by facsimile (fax) transmission or by email will not be considered. Any proposals received after the proposal submittal deadline specified below shall be returned to the bidder unopened.
5. Proposals may be delivered to Merced Irrigation District, 722 W. 20th Street, Merced, California, 95340, either by mail or in person. To be considered, proposals must be **received** by the Purchasing Agent no later than **4:30 pm on Tuesday, May 13, 2014.**
6. This RFP will be awarded by Monday, May 19, 2014. An award letter will be send out at that time.
7. The successful bidder will be required to furnish generator meeting the Proposal Specifications **within 90 days** of receipt of a purchase order issued by the Merced Irrigation District.

EQUIPMENT PROPOSAL FORM

MERCED IRRIGATION DISTRICT

MID-RFP-2014-05

I. PROPOSAL ITEM

The Merced Irrigation District is requesting proposals for:
ONE NEW DIESEL-FUELED, STATIONARY GENERATOR SET (BOOSTER #1)

II. MINIMUM PROPOSAL SPECIFICATIONS

| DESCRIPTION (Please place an "X" in the appropriate column) | COMPLY | EXCEPTION |
|--|--------|-----------|
| DESCRIPTION: | | |
| Stand By Generator Set, 480/440V, 3Phase, 60HZ @ 1800RPM with weather Protective Sound Attenuated Enclosure | | |
| ENGINE: | | |
| EPA Certified for Stationary Emergency Application (Tier 2 emission levels) | | |
| APCD Tier II Acceptance for Stationary "Stand By" application | | |
| Supply California Emission Certificate | | |
| Supply all necessary documentation for Permitting in the State of California | | |
| GENERATOR SET: | | |
| The Generator set covered by these specifications shall be designed, tested, rated, assembled, and installed in strict accordance with all applicable standards below: | | |
| CSA C22.2 No14 | | |
| CSA 282 | | |
| CSA 100 | | |
| EN61000-6 | | |
| EN55011 | | |
| FCC Part 15 Subpart B | | |
| ISO8528 | | |
| IEC61000 | | |
| UL508 | | |
| UN2200 | | |
| UL142 | | |
| Designed to allow for installed compliance to NFPA 70, NFPA99 and NFPA110 | | |
| GENERAL GENSET REQUIREMENT: | | |
| The generator set shall be standby-duty rated at 600 ekW, 750 kVA, 1800 RPM, 0.8 power factor, 480 V, 3-phase, 60 hertz, including radiator fan and all parasitic loads. Generator set shall be sized to operate at the specified load at a maximum ambient of 230.0F (110C) and altitude of 0.0 feet (0.0 m). | | |
| <i>Standby Power Rating:</i> | | |
| <i>Power is available for the duration of an emergency outage</i> | | |
| <i>Average Power Output = 70% of standby power</i> | | |
| <i>Load = Varying</i> | | |
| <i>Typical Hours/Year = 200 Hours</i> | | |
| <i>Maximum expected Usage = 500 hours/year</i> | | |
| <i>Typical Application = Standby</i> | | |
| CONTROL PANEL: | | |
| Simple and user friendly, electronically controlled | | |
| EMCP4.2 Control Panel 1200A 3 Pole Circuit Breaker | | |

| | | |
|--|--|--|
| AUTOMATIC TRANSFER SWITCH (ATS): | | |
| 300 Series Open Transition 1000A, 480V, 60HZ, 3-Pole, N3R UL Enclosure | | |
| SUBMITTALS: | | |
| Engine –generator submittals shall include the following information: | | |
| Factory published specification sheet. | | |
| Manufacturer’s catalog cut sheet of all auxiliary components, such as battery charger, control panel, enclosure, etc. | | |
| Dimensional elevation and layout drawings of the generator set, enclosure and transfer switchgear and relate accessories. | | |
| Weight of all equipment. | | |
| Concrete pad recommendation, layout and stub-up locations of electrical and fuel systems. Vendor to supply MID with engineered and wet-signed plans for concrete base. | | |
| Interconnect wiring diagram of complete emergency system, include generator, switchgear, day tank, remote pumps, battery charger, control panel and remote alarm indications. | | |
| Engine mechanical data, including heat rejection, exhaust gas flow, combustion air and ventilation air flow, fuel consumption, etc. | | |
| Generator electrical data including temperature and insulation data, cooling requirements, ratings, voltage regulation, voltage regulator, efficiencies, waveform distortion, and telephone influence factor. | | |
| Manufacturer’s documentation showing maximum expected transient voltage and frequency dips and recovery time during operation of the generator set at the specified site conditions with the specified loads. | | |
| Manufacturer’s and dealer’s written warranty. | | |
| SEISMIC CERTIFICATION: | | |
| Seismic Certification | | |
| Anchoring details are site specific, please provide generator set size, weight and required concrete strength | | |
| IBC Certification requires that the anchoring system used is reviewed and approval by a Professional Engineer | | |
| Seismic Certification per applicable building codes | | |
| Any Permits required | | |
| WEATHER PROTECTIVE and SOUND ATTENUATED ENCLOSURE: | | |
| Easy side door access, removable | | |
| Easy radiator access | | |
| Lube oil and coolant drains piped to the exterior of the enclosure | | |
| Lockable access doors that gives full access to control panel and breaker | | |
| Cooling fan and battery-charging alternator - fully guarded | | |
| Fuel fill, oil fill and battery can only be reached via lockable access | | |
| PAINT: | | |
| White | | |
| FUEL TANK: | | |
| 24 hr. Run Time Capacity | | |
| Dual wall with secondary containment | | |
| Mounted to skid base | | |
| Overfill prevention valve | | |
| Merced Irrigation District shall provide a full tank of fuel for the completion of all testing | | |
| INSTALLATION: | | |
| The work includes supplying and installing a complete integrated generator system. The system consists of a diesel generator set with related components accessories and automatic transfer switch specified under a separate section. | | |
| SYSTEM TEST: | | |

| | | |
|---|--|--|
| A complete system load test shall be performed after all equipment is installed. Guideline in the Start-up Section. | | |
| REQUIREMENTS, CODES AND REGULATIONS: | | |
| The equipment supplied and installed shall meet the requirements of the NEC and all applicable local codes and regulations. All equipment shall be new and current production by a manufacturer who has 25 years of experience building this type of equipment. Manufacturer shall be ISO9001 certified. | | |
| WARRANTY: | | |
| The manufacturer's standard warranty shall in no event be for a period less than two (2) years from date of initial start-up of the system and shall include repair parts, labor, reasonable travel expense necessary for repairs at the job site, and expendables (lubricating oil, filters, antifreeze and other service item made unusable by the defect) used during the course of repair. Running hours shall be limited to 500 hours annually for the system warranty by both the manufacturer and service distributor. Submittals received without written warranties as specified will be rejected in their entirety. | | |
| SERVICE FACILITY: | | |
| The engine-generator supplier shall maintain 24-hour parts and service capability within 150 miles of project site. The distributor shall stock parts as needed to support the generator set package for this specific project. The supplier must carry sufficient inventory to cover no less than 80% parts service within 24 hrs and 95% within 48 hours. | | |
| SERVICE PERSONAL: | | |
| The dealer shall maintain qualified, factory-trained service personal. | | |
| INSTALLATION: | | |
| Install equipment in accordance with manufacturer's recommendations, the project drawings and specifications, and all applicable codes. | | |
| START-UP AND TESTING: | | |
| Coordinate all start-up and testing activities with the Distributor's dealer and Merced Irrigation District staff. After installation is complete and normal power is available, the manufacturer's local dealer shall perform the following: | | |
| OPERATION AND MAINTENANCE MANULS: | | |
| Provide two (2) sets of operation and maintenance manuals covering the generator, switchgear, and auxiliary components. Include final "as built" wiring interconnect diagrams and recommended preventive maintenance schedules. | | |
| TRAINING: | | |
| Provide on-site training to instruct the Merced Irrigation District staff in the proper operation and maintenance of the equipment. Review operation and maintenance manuals, parts manuals, and emergency service procedures. | | |
| MISCELLANEOUS ITEMS: | | |
| One-time, on-site start up service by the factory-trained technician upon confirmed site installation by Merced Irrigation District staff. | | |
| The complete engine generator set shall be supplied by the Manufacturer's authorized distributor only. | | |

| DESCRIPTION (Please place an "X" in the appropriate column) | COMPLY | EXCEPTION |
|---|--------|-----------|
| OPTIONAL ITEMS: (Priced Separately) | | |
| Complete Engine and Generator Set, Portable - quoted Separately: | | |
| Please price out portable option on separate proposal to be attached | | |
| | | |
| | | |
| <i>There will be a site visit to meet with Merced Irrigation District Staff Electrician to open up facility for Bidders to inspect and review site facility for bidders to supply information that will be need to present the proper information needed on proposal request. Tuesday, April 15, 2014 at 10:00 AM</i> | | |

BIDDERS: Bid prices below MUST include all applicable taxes and all related fees, including, but not limited to, sales tax, tire fees, transfer fees, and (for out-of-state bidders) smog certification fees and permits . Merced Irrigation District is not exempt from sales taxes or any other applicable fees. Bids will be firm for 45 days, from date of RFP close.

OUT-OF-STATE BIDDERS: Must provide a "Certificate of Origin" and "Smog" certificate for each unit.

Merced Irrigation District has a California exempt plate status (Dealer to Register)

III. EXCEPTIONS

Explain all exceptions identified in Section II, above (attach additional sheets if necessary).

IV. PROPOSAL

I agree to furnish Merced Irrigation District with the Unit specified on this Equipment Proposal Form for the Prices indicated below:

1. SUBTOTAL for ONE NEW DIESEL-FUELED STATIONARY GENERATOR SET (BOOSTER #1)

\$ _____

2. 8.00% SALES TAX ONE NEW DIESEL FUELED STATIONARY GENERATOR SET (BOOSTER #1)

\$ _____

3. DELIVERY to Merced Irrigation District:

\$ _____

4. ALL OTHER FEES (tire fees, transfer fees, permits etc.):

\$ _____

TOTAL for STATIONARY GENERATOR SET (BOOSTER #1)

\$ _____

BIDDER:

Supplier Name: _____

Contact Name: _____

Address: _____

City / State / Zip: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

V. CERTIFICATION

In submitting this proposal, I understand that Merced Irrigation District reserves the right to reject any and all proposals and/or reject any and all items of such proposals and/or waive any irregularities in a proposal. By signature on this proposal document, I agree that the generators specified above will be delivered **within 90 days of receipt of Merced Irrigation District's purchase order**. I certify that I am an authorized agent for the above supplier.

Signed: _____ Title: _____

VI. PROPOSAL SUBMITTAL

Please submit your proposal in a SEALED, OPAGUE envelop labeled with "ONE NEW DIESEL-FUELED STATIONARY GENERATOR SET (BOOSTER #1), and the name of the Bidder printed on the outside of the envelope.

Proposals received unsealed or unlabeled will not be considered. Proposals submitted by facsimile (fax) transmission or email will not be considered. Any proposals received after the proposal-submittal deadline specified below shall be returned to the bidder unopened.

Proposals must be submitted by the time and date specified above to Merced Irrigation District, 722 W. 20th Street, Merced, California, 95340.

VII. QUESTIONS

Should a bidder find discrepancies in, or omissions from, the specifications contained herein, or should bidder be in doubt as to their meeting, he or she shall at once notify Ross Hollinger, Purchasing Agent, at rhollinger@mercedid.org, and should it be found necessary, a written addendum will be sent to all bidders.

No representative of Merced Irrigation District is authorized to give oral instructions, interpretations, or explanations of these specifications, and a submission of a proposal constitutes agreement by the bidder that he or she has placed no reliance on any such oral instruction, interpretation, or explanation. Oral instructions may, however, be given by Merced Irrigation District upon inquiry by a bidder to direct the bidder's attention to the location in the specifications or Request For Proposal that cover the subject of the inquiry.

Please refer all questions regarding this Equipment Proposal Form or the specifications contained herein to Ross Hollinger, Purchasing Agent, at rhollinger@mercedid.org.