

- B. The unit shall be shipped to the job site by the manufacturer's authorized dealer. In addition, and in order not to penalize the owner for unnecessary or prolonged periods of time for service or repairs to the emergency system, the bidding generator set supplier must have no less than eighty percent (80%) of all engine replacement parts in his stock at all times. Certified proof of this requirement shall be available from the dealer.

1.07

TESTING

- A. Prior to acceptance of the installation, equipment shall be tested to show it is free of any defects and will start automatically and be subjected to full load test through the use of existing loads and, dry type load banks supplied for this purpose at the job site by the generator set supplier.
- B. Load bank testing shall be done in the presence of the Owner's appointed representative. Testing shall be for a period of four (4) hours under full load.
- C. Contractor shall supply all fuel necessary for load bank testing and start-up. Before final acceptance of generator unit top off tank leaving it full.

1.08

CERTIFICATE TEST REPORTS, MANUALS AND INSTRUCTIONS

- A. Prior to the final inspection, deliver 4 copies of the following items to the Engineer:
 - 1. A certificate by the manufacturer of the engine-generator set that the auxiliary electrical power system has been properly installed, adjusted and tested.
 - 2. Certified copies of all of the factory and construction site test data sheets and reports for the engine-generator set and major auxiliaries.
 - 3. Complete operating and maintenance manuals for the engine-generator set and auxiliaries including wiring diagrams, technical data sheets and information for ordering replaceable parts:
 - a. Include complete interconnection diagrams which indicate all components of the system.
 - b. Include complete diagrams of the internal wiring for each of the items of equipment.
 - c. The diagrams shall have their terminals identified to facilitate installation, operation and maintenance.
- B. Laminate or mount under plexiglas a set of operating instructions for the system and install it under a neat frame, adjacent to transfer switch.
- C. Provide signage, in accordance with section 16120, at main electrical service entrance equipment to indicate type and location of on-site emergency generator per N.E.C. 700.8(a).
- D. Furnish the services of a competent, factory-trained engineer or technician for instructing operating and maintenance personnel on the proper operation and maintenance of the system at the time of testing.