

ADDENDUM NO 01

to
RFQ NO. 004-13

Electrical Transmission Line Materials

FOR ELECTRIC DEPARTMENT FOR THE CITY OF FAIRHOPE

The bid documents for this Bid shall be amended, revised and changed in the following particulars:

Answers from Scott Sligh, Electric Department Superintendent.

Questions from potential bidders:

Question 1:

Can you please let us know if the transformers on this bid are to be FR3 or standard mineral oil? Do you have the specs on the transformers?

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Answer 1:

Technical Specifications for Single Phase Pole Mount Conventional Transformers

Voltage low side: 120/240; High side: 7200/12470Y

i. Qty. Description

Listed elsewhere

ii. The above listed transformers will include the following features:

1.1 Ratings

1.1.1 All ratings shall be for 60 hertz alternating current, oil immersed, self-cooled transformers capable of continuous operation at rated KVA without exceeding either a 65 degree C average temperature rise or an 80 degree C hot spot temperature rise.

1.1.2 The basic impulse level (BIL) shall be 95 kV.

2.2 Pressure Relief Device

2.2.1 All transformers shall be designed such that all excessive pressure build-ups are released without damage to the tank in accordance with ANSI C57.12.25.

2.2.2 Each transformer shall be equipped with a non-resettable device which detects and provides external indication of internal transformer faults, and also incorporates pressure relief functionality. The approved device is manufactured by IFD Corporation or approved equal.

3.3 Transformer Taps

3.3.1 No transformer taps are required.

4.4 Transformer Oil

4.4.1 Transformers shall be insulated with new (unused) ester based, biodegradable, non-bioaccumulating oil (i.e. Envirotemp FR3 Fluid or equivalent).

The nameplate shall show the gallons of oil.

5.5 High Voltage Bushings and Terminals

5.5.1 Transformers shall be equipped with, Wet process porcelain high voltage bushings (**two bushings**) with clamp style terminals in accordance with ANSI C57.12.20, Table 7.

The bushings shall be light gray in color. The clamp type terminal shall be capable of being tightened with a speed wrench.

6.6 Low Voltage Bushings and Terminals

6.6.1 Transformers shall be equipped with (3) three each, side wall-mounted, low voltage bushings. Units 100 KVA and smaller shall have clamp type terminals in accordance with ANSI C57.12.20, Figure 4a.

7.7 Transformer Tanks

7.7.1 Transformer tanks shall be of welded steel construction. The tank shall be a conventional, oil-filled, pole-type with only one pole-mounting position.

7.7.2 The tank covers shall have a slope of 10-15 percent for moisture run-off and shall have an insulated coating on the cover capable of withstanding a minimum of 10kV at a 2000 volt/second rate of rise, tested per ASTM D149 using ¼” diameter electrodes.

8.8 Grounding Lugs

8.8.1 Transformers shall be furnished with a ground lug installed in the transformer low-voltage ground provision.

Responders are to sign and include signed Addendum No.1 with submitted bid documents.

Acknowledged:

Company

By

Daniel P. Ames
Purchasing Manager
City of Fairhope
Posted: 12-04-12