ALABAMA EDUCATIONAL TELEVISION COMMISSION

BID SPECIFICATIONS FOR STROBE TOWER LIGHTING AT WGIQ, Tezasville

1.0 Alabama Educational Television Commission is requesting bids for materials needed to change the tower lighting at the WGIQ-TV tower at Louisville/Texasville, Alabama from incandescent to strobe. The tower is currently painted with red incandescent lighting used at night. AETC desires to change to high-intensity white strobes during the daylight hours with red strobes during night-time hours as required by the Federal Aviation Administration. This bid request is for materials only and successful bidder must supply all materials needed with the exception of conduit attachments and ice shields. Upon installation of supplied fixtures and controls as per manufacture's specifications, the tower lighting will meet or exceed all FAA/FCC requirements.

2.0 TOWER DESCRIPTION

2.1 The tower is a Stainless Tower with a Five foot face width.

2.2 The height of the tower itself is seven hundred twenty seven (727) feet.

2.3 The antenna on the tower is a Side Mount Dielectric TFU-36DSC-R.

2.4 The top plate of the antenna is just below the tower top.

2.5 The total height of the tower with antenna is 727 feet including lighting fixture and ground rods.

3.0 LIGHTING EQUIPMENT SPECIFICATIONS

3.1 Lights shall be a high intensity dual strobe system with white light during daytime and red during night operation.

3.2 The strobe light voltage shall be 480 volts 3 phase.

3.3 Side lights shall be 120VAC LED fixtures.

3.4 A ground mounted controller shall be supplied which operates with an input voltage of 120V 60Hz.

3.5 The unit will be supplied with a photocell with minimum 50 foot pigtail.

3.6 A conduit/wire kit shall be supplied which shall include swing mount brackets, red beacon brackets, flat bar brackets, side marker brackets, all wire, conduit, junction/support boxes, top beacon interconnect cable and custom drawings.

3.7 Unit must be supplied with a handheld programmer kit for programming, testing and troubleshooting power converters.

3.8 Unit will be supplied with a software program for remote diagnostics and resetting via a remote computer.

3.9 A lightning array to extend above the top lighting fixture shall be included.

3.10 Price shall include shipping to the WGIQ site.

4.0 SERVICE AND WARRANTY REQUIREMENTS

4.1 Each bidder will warranty the all equipment as represented in their bid against defects in material and workmanship for a period of one (1) year from date of installation. In addition the strobe equipment, including flashtubes, must carry a two (2) year warranty. The successful bidder further guarantees to replace, without cost to Alabama Educational Television, any and all items that become defective within the warranty period when the defect is clearly a fault of the manufacturer ant not of misuse.

4.2 During the warranty period, the vendor shall pay all shipping charges required to deliver "in warranty replacement parts". Shipment must be by the fastest means available. The vendor shall likewise pay shipping charges, by any means, for returning defective equipment to the vendor if required.

4.3 Any bidder offering warranties beyond stated above should clearly state the period of the warranty and any conditions pertaining to the extensions.

5.0 QUANITY TO BE PURCHASED AND DELIVERED

5.1 One (1) total kit (materials) is to be purchased

5.2 Materials shall be shipped to WGIQ-TV, 115 TV Tower Road, Clayton, Alabama 36016.

5.3 AETC must be notified a minimum of 48 hours prior to delivery as this is an un-attended site. Contact should be made with Windell Wood, Director of Engineering, at 205-876-6668 or Charlie Grantham, Chief Operating Officer, at 205-572-2960 to schedule delivery.

5.4 All correspondence by mail and billing should be addressed to: Charles Grantham, AETC, 2112 11th Avenue South, Suite 400, Birmingham, AL 35205.