BIRMINGHAM-SHUTTLESWORTH INTERNATIONAL AIRPORT

REQUEST FOR PROPOSALS
ADDENDUM NUMBER ONE (1)
DATE: 11/8/2023

PROJECT: Cooling Tower Installation
Birmingham-Shuttleworth International Airport
Birmingham, Alabama

From: Birmingham Airport Authority (BAA)
5900 Messer Airport Highway
Birmingham, Alabama 35212

To: All Participants

General:

This addendum will form a part of the contract and modifies the original Request for Proposal (RFP) document. The following changes take precedence over items in the RFP. Portion of the RFP not changed by this Addendum remain in effect. Recipients of the Addendum are advised to provide this Addendum to anyone to whom they further distribute without the BAA's knowledge.

Participants in this RFP are required to acknowledge receipt of this Addendum in their proposal. Failure to do so may subject Proposer for disqualification.

ADDITIONAL INFORMATION/CLARIFICATIONS/ATTCHMENTS DESCRIBED BELOW:

Please note:

1. The bid Due Date is now November 20, 2023, by 2:00 PM Central Time.

2. If the cost of the project is over $50,000, the contractor is required to have a general contractor's license from the State of Alabama Board of General Contractors. The contractor must certify that Contractor is currently licensed by the Alabama State Licensing Board for General Contractors and the certificate for such license bears the following:

License No.: Bid Limit: Classification:

The contract has all other licenses and permits required by the State of Alabama and City of Birmingham, Alabama to perform the Work.

3. A Payment Bond and a Performance Bond is required If the cost of the project is $50,000 or more. The contractor also may need to be licensed by the Electrical Contractors Board and the Mechanical Contractors Board.

4. Question: What is the Model Number of the Cooling Tower

   Answer: **MD5018UAD1LSBF**

5. Question: Please provide information on the replacement Cooling Tower.
   Answer: see below:

TOWER MODEL
Quantity of (1) Marley
MD model
MD5018UAD1LSBF
factory assembled 1-Cell
induced draft counterflow
cooling tower

PERFORMANCE CONDITIONS
Per 1-cell tower:
1,950 gpm
95.0 °F Hot Water
85.0 °F Cold Water
78.0 °F Entering WB

MOTOR DATA
50 HP 1 speed / 1 wind
3 phase / 60 Hz /
230/460v
1.15sf / TEFC
1800 RPM
Premium Efficiency
Inverter duty nameplated,
60Hz/120V space heater
Site Voltage; 480

TOWER DIMENSIONS
Each cell: (without options)
Length 18' - 1 3/4"
Width 11' - 11 15/16"
Height 17' - 8 1/4"

WEIGHTS

Per cell:
Shipping: 12,743 lb
Operating: 21,319 lb
Per 1-cell tower:
Shipping: 12,743 lb
Operating: 21,319 lb
Quantities shown below are per tower:

Base Tower Construction/Equipment:
Series 300 stainless steel casing, framing, and collection basin
Low Sound fan with aluminum blades
Marley designed belt drive
12 mil PVC modular film fill, 3ft (914mm) depth
Triple-pass 17 mil PVC drift eliminators designed and manufactured by SPX
CTI certification per STD-201
ASHRAE 90.1-2019 Energy Compliant
IBC Standard Structural Design
1.0 Importance Factor Specified
1 ft (0.3 m) fan cylinder extension
HDG steel fan guard

Collection Basin Connections and Accessories:
(1) 10 in (254 mm) pumped flow side suction outlet(s)
(1) 3 inch (76.2mm) diameter drain with separate 3 inch (76.2mm) diameter overflow in each cell
1 in (25.4 mm) water Makeup Connection with Mechanical Float Valve
12 kW per cell 480/3 volt/phase electric immersion heater elements for freeze protection of the collection basin during cold weather
system shutdown
INDEECO basin heater control system with control panel and heater elements
Heater system control package
Heater system disconnect switch

Distribution System and Accessories:
(1) 10 in (254 mm) inlet connection on Face A per cell
Series 300 stainless steel header box and PVC branch arms with polypropylene spray nozzles with grommet connection for ease of
removal

Maintenance & Maintenance Access Features:
Tower is designed in accordance with OSHA safety standards
Partial-length external access platform and ladder included for access to mechanical panel
Ladder(s) extended 5 ft (1.5 m) below base of tower
(1) Powder-coated davit crane package with hand winch and galvanized mounting base per cell, to assist removal of motor or fan.

Control Systems:
(1) IMI 685A Mechanical sw, DPDT, manual reset + 30' cord vibration cutoff switch per cell