MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-106
Item to be Scouted	Barometric Pressure Sensors & Telephone Modems
Days to be scouted	15
Description	The National Oceanic and Atmospheric Administration (NOAA), National Weather Service (NWS), Alaska Region (AR) deploys a network of surface weather stations in remote locations throughout the state transmitting data via the Geostationary Operational Environmental Satellite (GOES) hourly aiding in the collaboration and forecasting process. The NWS AR has been replacing the surface equipment sensors due to obsolescence or failures. The NWS AR requires equipment/devices equivalent to Forest Technology Systems brand barometric pressure sensors, telephone modems, and auxiliary accessories, which are equipped with all required interfacing, components, and features to seamlessly integrate with the existing GOES network.
State item to be used in	Alaska

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Details	Buy American Act Waiver
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic Assembly; Various
Provide dimensions / size / tolerances / performance specifications for the item	FTS DigiBP: Sensor type: Solid state absolute pressure transducer Interface: SDI-12 v.1.3 Accuracy: 0.2 mbar(hPa) (25°C); 0.3 mbar(hPa) (-40°C to +60°C) Resolution: 0.01 mbar Range: 500 to 1100 mbar(hPa); 14.76 to 32.48 inches of Hg; 50 to 110 KPa; 375 to 825 mm of Hg; 0.49 to 1. 08 ATM; 7.25 to 15.95 psia Operating temperature range: -40°C to +60°C Long Term Stability: 0.2% FS per year Measurement time: 6 s Power supply voltage: +12 V DC (nominal range: 9.6 V – 18.6 V) Standby current: 100uA Active current: 12mA Dimensions: see Figure 3-1 Cable length: 0.91 m (3 ft) Weight: 650 g (22.9 oz) TM Ultra: Default connect speed: 14,400 bps Serial port data rate auto baud: enabled Bell 212A operation: 1200 bps Parity: none Auto answer: disabled Command echo: on Results codes: all enabled, except \REL codes Dialing method: touch-tone (T) Busy signal detection: on (ATX4) Full word result codes: non-extended Pulse dial make/break ratio: 39 / 61 - 10 psp

	Test timer: 0 seconds Text modes: disabled Inactivity timer: 0 min CTS: always active DSR: ignored DCD: ignored RTS to CTS delay: 0.01 seconds DTR: always active; hangs up after transition Long space disconnect: disabled Speaker: enabled; off when receiving carrier Speaker volume: low Local modem will not grant RDL request from remote modem Guard tone: disabled Minimum DTR pulse width: 0.05 s Ring count: 0 Escape code character: ASCII 43 (+) Flash to on hook: 70 ms Auto speed detection: enabled DTE connect speed, connect messages Back space character: ASCII 08 (BS) Carriage return character: ASCII 13 (CR) Line feed character: ASCII 10 (LF) Wait for dial tone before dialing: 2 s Wait for carrier after dialing: 50 s Carrier detect response time: 0.6 s Escape code guard time: 1 s Pause after comma: 2.0 s Lost carrier to hang up delay: 1.4 s DTMF interdigit delay: 0.095 s Auto sync address or address detection: 0 Connection detected at DTE – Highest speed 38,400bps Auto retrain: enabled; 30 seconds attempt MNP error correction: can be negotiated (&Q5) MNP: non-extended service selected MNP error correction block size: 128 characters selected Data compression negotiation: enabled Transmit break length: 0.3 s Breaks: transmitted in sequence with data Serial port flow control: enabled depending on intended use RTS/CTS Note: Upon power-up modem will recall user profile 0 which may override the above factory defaults.
List required materials needed to make the product, including materials of product components	Various and Unknown, except for what is provided within the attached specifications sheets.
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other stndards, requirements, etc.?	No
Additional Technical Comments	All equipment/items must be fully compatible (form, fit, and function) with the existing Forest Technology Systems network, without the need for updates or changes to the system or equipment, as all sites are in remote locations throughout Alaska with limited access. Any offered products must be fully interfaceable with the current system without the need for modifications, and function identically to the current equipment to ensure additional costs to the Government for training and maintenance time on site at several remote locations. These measures directly support a successful program for the Alaska Region until a National Training/Equipment standardization program is established.

Section 4: Business Information

Estimated potential business volume	One-time purchase of $19,370.78 for all products, with estimated shipping of $665.00
Estimated target price / unit cost information (if unavailable explain)	Target price is to match current total pricing provided by Forest Technology Systems for the following items/quantities: CBL-ULTRA-F6H2, Cable, TM-Ultra to Datalogger, quantity 2 CBL-ULTRA-RJ-11, Cable, TM-Ultra to RJ-11 Telephone Port, quantity 2 TM-ULTRA-KW, Telephone Modem, Keyway Mount, quantity 2 SDI-PT-SS-KEL-USGS, PT, SDI-12, 0-21m (0-70ft), USGS OSW Spec, Stainless Case, quantity 2 SDI-BP-1, Barometric Pressure Sensor, SDI, Keyway, Cable, MC Conn, quantity 3 CBL-H1-BAT-2, Battery Cable, H1 Datalogger, Dual 10A Fuse, quantity 10 CBL-SDI-EXT, Cable, SDI Connection to SDI port, 35 ft, quantity 10
When is it needed by?	Deliver by 180 days after contract award.
Describe packaging requirements	Product must be delivered undamaged with an industry accepted warranty.
Where will this item be shipped?	Anchorage, AK 99502

Additional Comments

Is there other information you would like to include?	This is a Simplified Acquisition, which has a shorter lead time to completion than an action over $250,000.00. It is expected that this requirement will be awarded within the next 30-60 days, and any timely scouting (requested completed within 15 days from submission) would be appreciated to align with Simplified Acquisition requirements for posting and the Buy American Act Waiver process.