

Trade Agreement: Canadian Free Trade Agreement (CFTA)

Tendering Procedures: to all pre-qualified suppliers

Competitive Procurement Strategy: RFP emailed directly to the pre-qualified suppliers. The RFP will remain open for a minimum of 15 calendar days.

Basis of Selection - Mandatory Technical Criteria [A0031T](#) (2010-08-16) will be used to determine the winning bidder.

Comprehensive Land Claim Agreement: No

Nature of Requirements:

Name of requirement - Purchase of thermal sensors
Reference number: 1000236893
Contracting Officer: Thomas Hyde
Email: thomas.hyde@hc-sc.gc.ca
Phone: 613-941-2071

THIS REQUEST IS RESERVED FOR HOLDERS OF SUPPLY ARRANGEMENT # E60PV-19EQUI ONLY, FOR THE PURCHASE OF LABORATORY AND SCIENTIFIC EQUIPMENT, PARTS AND ACCESSORIES, SERVICES AND SUPPLIES.

Only Suppliers currently pre-qualified on Supply Arrangement E60PV-19EQUI have been invited to bid.

As a requirement of the Supply Arrangement, this notice is published on Buy and Sell Canada for a period of 40 calendar days. The closing date published on this notice identifies how long the notice will be published. For the closing date of any solicitation under the supply arrangement, invited suppliers should refer to the solicitation documents.

Suppliers that do not have a Supply Arrangement for the supply of Laboratory and Scientific Equipment, Parts and Accessories, Services and Supplies with Public Works and Government Services Canada, cannot submit a bid. Any bids received from suppliers not pre-qualified on the Supply Arrangement will not be evaluated.

Suppliers may qualify under Supply Arrangement E60PV-19EQUI for Laboratory and Scientific Equipment, Parts and Accessories, Services and Supplies, at any time. Interested suppliers should download solicitation document E60PV-19EQUI /C from Buyandsell.gc.ca and submit a response as per the requirements of the Request for Supply Arrangement.

Health Canada has a requirement for the supply of 200 external ambient temperature & relative humidity sensors with data loggers and 200 Solar Radiation Shields.

The mandatory technical criteria are:

Temperature Sensor		
ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
M1	Temperature Sensor Range: Must be greater than or equal to the range of: -40°C to +70°C	

M2	Temperature Sensor Accuracy: Must be Less than or equal to: $\pm 0.25^{\circ}\text{C}$ from -40 to 0°C Must be Less than or equal to: $\pm 0.2^{\circ}\text{C}$ from 0 to 70°C	
M3	Temperature Sensor Resolution: Must be Less than or equal to: 0.02°C	
M4	Temperature Sensor Drift Must be Less than: 0.01°C per year	
M5	Response Time (typical, to 90% of change) – with Solar Radiation shield and air movement at 1m/s Must be Faster than or equal to: 6 minutes	

RH Sensor		
ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
M6	Humidity Sensor Range Must be Equal to: 0 to 100% RH, -40° to 70°C	
M7	Humidity Sensor Accuracy Must be Equal to or less than: $\pm 2.5\%$ from 10% to 90% to a maximum of $\pm 3.5\%$ including hysteresis at 25°C ; Must be RH $\pm 5\%$ when below 10% RH and above 90%	
M8	Humidity Sensor Resolution Must be Less than or equal to: 0.01%	
M9	Humidity Sensor Drift Must be Less than 1% per year typical	
M10	Response Time (typical, to 90% of change) – with Solar Radiation shield and air movement at 1m/s Must be Faster than or equal to: 1 minute	

Data Logger		
ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
M11	Operating Range Must be greater than or equal to the range of: -40° to 70°C (-40° to 158°F)	
M12	Wireless Data Standard Must have Bluetooth Low Energy (Bluetooth Smart)	
M13	Transmission Range: Must be equal to or greater than: Approximately 25 m line-of-sight	
M14	Logging Rate: Must be range of options equal to or greater than: 1 second to 18 hours	
M15	Logging Modes: Must be fixed interval or burst	
M16	Time Accuracy:	

	Must be less than or equal to: ± 1 minute per month 0° to 50°C (32° to 122°F)	
M17	Battery Life: Must be greater than or equal to: 1 year, with logging interval of 1 minute and Bluetooth on.	
M18	Memory storage: Must be greater than or equal to: 50,000 measurements	
M19	Environmental Performance rating: Must have a minimum rating of NEMA 6 or IP67	
M20	Weight Must have a maximum data logger weight 150 grams	

Solar Radiation Shield		
ITEM	CRITERIA	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID.
M21	Wind resistance: Must be tested in sustained winds up to 100 kph and tested in gusts up to 150 kph	
M22	Temperature Range: Must be Greater than or equal to the range of: -40° to 75°C (-40° to 167°F)	
M23	Weight: Must be a maximum weight of 150 grams	
M24	Must have Mounting hardware supplied.	
M25	Must be Compatible with selected Temperature and Relative Humidity sensor.	

The responsive bidder already holding a Supply arrangement for Laboratory and Scientific Equipment, Parts and Accessories, Services and Supplies from Public Works and Government Services Canada who meets the mandatory technical criteria with the lowest aggregate price will be recommended for contract award.