



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS A :**

Bid Receiving/Réception des soumissions
**RCMP "E" DIV. BID RECEIVING FRONT
DESK**
14200 Green Timbers Way
Surrey, BC V3T 6P3
Solicitation: M2989-6-0511

By Mail:
**RCMP "E" DIV. BID RECEIVING FRONT
DESK**
Mail Stop # 1004
14200 Green Timbers Way
Surrey, BC V3T 6P3
Solicitation: M2989-6-0511

**REQUEST FOR
PROPOSAL**

**DEMANDE DE
PROPOSITION**

Proposal to: Royal Canadian Mounted Police

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition aux : Gendarmerie royale du Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux appendices ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments: - Commentaries :

Title – Sujet Robotic Total Stations		Date 2017.02.09
Solicitation No. – N° de l'invitation M2989-6-0511		
Client Reference No. - No. De Référence du Client		
Solicitation Closes – L'invitation prend fin		
At / à :	2 :00 p.m.	PST(Pacific Standard Time) HNP (heure normale du Pacifique)
On / le :	March 20, 2017	
Delivery - Livraison See herein — Voir aux présentes	Taxes - Taxes See herein — Voir aux présentes	Duty – Droits See herein — Voir aux présentes
Destination of Goods and Services – Destinations des biens et services See herein — Voir aux présentes		
Instructions See herein — Voir aux présentes		
Address Inquiries to – Adresser toute demande de renseignements à Gursharn Dhadwal		
Telephone No. – No. de téléphone 778-290-2774	Facsimile No. – No. de télécopieur 778-290-6110	
Delivery Required – Livraison exigée See herein — Voir aux présentes	Delivery Offered – Livraison proposée	
Vendor/Firm Name, Address and Representative – Raison sociale, adresse et représentant du fournisseur/de l'entrepreneur:		
Telephone No. – No. de téléphone	Facsimile No. – No. de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) – Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)		
Signature	Date	

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1.1.1 There is no security requirement associated with the requirement.

1.2 Statement of Requirement

1.2.1 The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.3 Debriefings

1.3.1 Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4. Procurement Ombudsman

1.4.1 The Office of the Procurement Ombudsman (OPO) was established by the Government of Canada to provide an independent avenue for suppliers to raise complaints regarding the award of contracts under \$25,000 for goods and under \$100,000 for services. You have the option of raising issues or concerns regarding the solicitation, or the award resulting from it, with the OPO by contacting them by telephone at 1-866-734-5169 or by e-mail at boa-opo@boa-opo.gc.ca. You can also obtain more information on the OPO services available to you at their website at www.opo-boa.gc.ca.

1.5 Trade Agreements

1.5.1 The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA) and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

2.1.1 All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

2.1.2 Revision to Departmental Name: As this solicitation is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this solicitation, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

2.1.3 Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

2.1.4 The 2003 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.5 Subsection 5.4 of 2003, Standard Instructions-Goods or Services-Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 120 Days

2.2 Submission of Bids

2.2.1 Bids must be submitted only to RCMP Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

2.2.2 Due to the nature of the bid solicitation, bids transmitted by facsimile to RCMP will not be accepted.

2.3 Enquiries - Bid Solicitation

2.3.1 All enquiries must be submitted in writing to the Contracting Authority no later than fourteen (14) calendar days before the bid closing date. Enquiries received after that time may not be answered.

2.3.2 Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.4 Applicable Laws

2.4.1 Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

2.4.2 Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

2.5 Promotion of Direct Deposit Initiative

2.5.1 The following information is not related to the solicitation process:

(a) An initiative within the Government of Canada called the Cheque Standardization Project has been established whereby eventually for all payments, cheque stubs will no longer be printed and, with few exceptions, will be processed via direct deposit. This option is only available when payment is made in Canadian dollars for deposit into a Canadian bank account. In an attempt to be proactive, RCMP Corporate Accounting is promoting the registration of RCMP suppliers for the upcoming change in the payment process.

(b) If you are the successful bidder on this or any other RCMP requirement, you are encouraged to register with the RCMP for direct deposit. Please contact RCMP Corporate Accounting by email to receive a form entitled *Recipient Electronic Payment Registration Request* along with instructions for completion of the form.

(c) Should you have any questions regarding the Cheque Standardization Project or if you want to register, please contact the following email: corporate_accounting@rcmp-grc.gc.ca

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

3.1.1 Canada requests that bidders provide their bid in separately bound sections as follows:

- (a) Section I: Technical Bid (2 hard copies)
- (b) Section II: Financial Bid (1 hard copy)
- (c) Section III: Certifications (1 hard copy)

3.1.2 Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

3.1.3 Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

3.1.4 In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- (b) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

3.1.5 In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

3.1.6 Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

3.1.7 Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

4.1.1 Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

4.1.2 An evaluation team composed of representatives of Canada will evaluate the bids.

4.2. Technical Evaluation

4.2.1 Refer to Appendix A.

4.3 Financial Evaluation

4.3.1 The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

4.3.2 The price of the bid will be defined and evaluated based on Annex B. Total Bid Price=Subtotal Price of Table 1-F and subtotal Price of Table 2-F.

4.4 Basis of Selection

4.4.1 A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

5.1 Bidders must provide the required certifications and associated information to be awarded a contract.

5.2 The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

5.3 The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

5.4 Certifications Precedent to Contract Award

5.4.1 The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

5.4.2 Integrity Provisions

(a) In accordance with the Ineligibility and Suspension Policy (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process:

- (i) Declaration of Convicted Offences (as applicable)
- (ii) Required Documentation

5.4.3 Federal Contractors Program for Employment Equity - Bid Certification

(a) By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?_ga=1.229006812.1158694905.1413548969#afed).

(b) Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Statement of Requirement

6.2.1 The Contractor must provide the items detailed under the Requirement at Annex "A."

6.3 Standard Clauses and Conditions

(a) All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

(b) Revision to Departmental Name: As this contract is issued by Royal Canadian Mounted Police (RCMP), any reference to Public Works and Government Services Canada or PWGSC or its Minister contained in any term, condition or clause of this contract, including any individual SACC clauses incorporated by reference, will be interpreted as reference to RCMP or its Minister.

6.3.1 General Conditions

(a) 2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

- (a) While delivery is requested on or before March 31, 2017, the best delivery date offered is:_____.

6.4.2 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex “A” of the Contract.

6.4.3 Optional Goods

- (a) The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex A of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.
- (b) The Contracting Authority may exercise the option within 12 months after contract award by sending a written notice to the Contractor.

6.5 Authorities

6.5.1 Contracting Authority

- (a) The Contracting Authority for the Contract is:

Gursharn Dhadwal, Contracting Officer
Royal Canadian Mounted Police
#909-14200 Green Timbers Way
Surrey, BC V3T 6P3
778-290-2774 (t); 778-290-6110 (f)
gursharn.dhadwal@rcmp-grc.gc.ca

- (b) The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

- (a) The Project Authority for the Contract is: (inserted at time of award)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : _____
Facsimile: _____
E-mail address: _____

(b) The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative (inserted at time of award)

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone : _____
Facsimile: _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

(a) In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified in Annex "B" for a cost of \$_____ (*insert at contract award*). Customs duties are included and Applicable Taxes are extra.

(b) Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

6.6.2 Method of Payment-Multiple Payments

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

6.7 Invoicing Instructions

6.7.1 The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

6.7.2 Invoices must be distributed as follows:

(a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

(b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

(a) Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

6.9.1 The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

6.10 Priority of Documents

6.10.1 If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2016-04-04), General Conditions-Goods (Medium Complexity);
- (c) Annex A, Statement of Requirement
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: " , as clarified on _____ " or " , as amended on _____ " and insert date(s) of clarification(s) or amendment(s)*)

6.11. Procurement Ombudsman

6.11.1 Dispute Resolution Services

(a) The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will, on request, and consent of the parties, to participate in an alternative dispute resolution process to resolve any dispute between the parties respecting the interpretation or application of a term or condition of this contract and their consent to bear the cost of such process, provide to the parties a proposal for an alternative dispute resolution process to resolve their dispute.

(b) The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa-opo@boa-opo.gc.ca.

6.11.2 Contract Administration

(a) The parties understand that the Procurement Ombudsman appointed pursuant to Subsection 22.1(1) of the *Department of Public Works and Government Services Act* will review a complaint filed by [*the supplier or the contractor or the name of the entity awarded this contract*] respecting administration of this contract if the requirements of Subsection 22.2(1) of the *Department of Public Works and Government Services Act* and Sections 15 and 16 of the *Procurement Ombudsman Regulations* have been met, and the interpretation and application of the terms and conditions and the scope of the work of this contract are not in dispute.

(b) The Office of the Procurement Ombudsman may be contacted by telephone at 1-866-734-5169 or by e-mail at boa-opo@boa-opo.gc.ca.

6.12. SACC Manual Clauses

6.12.1 G1005C (2016-01-28) Insurance-No Specific Requirement

6.12.2 B1501C (2006-06-16) Electrical Equipment

Annex A STATEMENT OF REQUIREMENT

1.0 Scope

1.1 Title Robotic Total Stations

1.2 System Overview

The RCMP has a requirement for the supply and delivery of four (4) Robotic Total Stations with the option of purchasing up to nine (9) additional units, within twelve (12) months of contract award.

The Robotic Total Stations must meet the following requirements:

2.0 Mandatory Requirements

No.	Specification
1.	Measurement Head
1.1	Must have a minimum environmental operating air temperature range of -20°C to +50°C
1.2	Must have an angular accuracy of 5" or better
1.3	Must be able to rotate 360° and measure/record the angles for each measurement point
1.4	Must have a minimum robotic rotation speed of 40°/second or better
1.5	Must have a functional reflector prism measuring capability (360° and standard)
1.6	Must have a functional reflector prism measuring accuracy of 1 to 3mm
1.7	Must have a functional reflector prism minimum working distance of 500m
1.8	Must have a minimum prism measurement distance of 2m or less
1.9	Must have a prism distance measurement speed of 1 to 3 seconds or better
1.10	Must have a functional reflectorless measuring capability
1.11	Must have a functional reflectorless measuring accuracy of 1 to 3mm
1.12	Must have a functional reflectorless minimum working distance of 400m
1.13	Must have a minimum reflectorless measurement distance of 30cm or less
1.14	Must have a reflectorless distance measurement speed of 1 to 3 seconds or better
1.15	Must be functional as a robotic and as a standard operator aimed instrument
1.16	Must have a telescope magnification of 30x or better
1.17	Must auto track on the prism when robotic function activated and target centre of the prism

1.18	Must have a “find prism” feature if auto tracking is interrupted (one push button for left and one push button for right)
1.19	Must be able to obtain measurements from a 360° prism or a standard prism
1.20	Must have a build in laser pointer that can be activated and terminated by the user
1.21	Must be able to functionally operate in all weather conditions (e.g. rain, snow, bright sun, sleet, heat, dust, fog, wind gusts up to 40 km/h) and be configured to measure under these conditions
1.22	Must have a minimum battery working range of 4 to 6 hours per battery
1.23	Batteries must be rechargeable
1.24	Must include 2 spare batteries (three batteries total)
1.25	Must include an AC charging system (external to the measurement head)
1.26	Measurement head must not exceed 15 pounds (battery included)
1.27	Must have a protective case that does not exceed 60cm long x 45cm wide x 45cm tall
1.28	Must be able to internally store measurement data if there is no external data collector in use (minimum of 500 fixpoints and 10,000 measurement points)
1.29	Must have external SD card, CF card, or USB slot for data transfer
1.30	Must include SD memory card or USB (minimum of 1GB)
1.31	Must be able to communicate with an external data collector wirelessly via a built in radio handle
1.32	Must have a minimum wireless data collector communication range of 800m (linear) and have a unique Bluetooth address to avoid radio interference
1.33	Must be able to measure and record X, Y, and Z data (e.g. easting, northing, and elevation)
1.34	Must have functional and accurate leveling capability (e.g. leveling bubble combined with digital leveling display)
1.35	Must be able to fine tune the leveling of the instrument
1.36	Must have visible optical plummet
1.37	Must be a one person operational system (when remotely activated)
1.38	Must include any cables designed for data transfer or software upgrades
1.39	Must have a view screen that is visible in the bright sunlight and in full darkness conditions
1.40	Fixpoint and measurement data must immediately write and be stored on the internal memory (when not using an external data collector) and/or have a minimum ½ hour battery backup so data is not lost if there is a sudden power loss
1.41	Must fasten/unfasten from the tripod by way of a threaded bell to the serviceable, metal tribrach

1.42	Must have a low-battery warning
1.43	Must have a "out-of-level" warning
1.44	Must come with manufacturer manual (either hard copy or digital)
1.45	Must be able to be fully operated either directly from the measurement head keyboard or the hand held pole mountable field controller
1.46	Must track prism without any further communication devices
1.47	If need be, the prism search must be configurable to a defined location

No.	Specification
2.	Tripod
2.1	Must be constructed of aluminum, fiberglass, or carbon fiber (not wood)
2.2	Must have a threaded bell to fasten the tribrach/measurement head
2.3	Must have height-adjustable and locking legs for uneven surfaces
2.4	Must be stable on asphalt, concrete, gravel, soil, and icy surfaces
2.5	Must not weigh more than 17 pounds (excluding measurement head)
2.6	Must be able to fold up and be transportable by vehicle
2.7	Must have a carry strap and be transportable by a person
2.8	Must be a minimum of 1m long (collapsed) and a maximum of 2m long (extended) and no wider than 25cm (at the foot pegs)

No.	Specification
3.	Data Collector
3.1	Must have a minimum operating range of -20°C to +50°C
3.2	Must have a minimum battery working range of 8 hours per battery
3.3	Must have an internal backup battery to avoid loss of measurement data in the case of a sudden loss of power
3.4	Data collector must be able to attach/detach from the prism pole, and include all mounts/brackets for operational use
3.5	Must be able to connect to a Windows 7 and Windows 10 Operating Systems to extract measurement data
3.6	The screen must be clearly visible in direct sunlight and full darkness lighting conditions
3.7	Must include stylus (if applicable), all cables, mounts, and software

3.8	Must have a rechargeable battery
3.9	Must weigh less than 5 pounds (battery included)
3.10	Must have external SD card or USB slot
3.11	Must include SD card or USB (minimum of 1GB)
3.12	Must include an AC battery charging system
3.13	Must include any cables required to connect to a computer system for data transfer, software updates, and general communication settings (e.g. USB cable)
3.14	Must be able to code or input descriptions for each measurement (multiple attributes preferred)
3.15	Must be a wireless data collector and have a minimum measurement head communication range of 800m
3.16	Must be a touch-screen
3.17	Must have a minimum non-volatile internal storage memory of 1GB and measurement data must be able to be stored within it
3.18	Must be tablet or keyboard data collector and possess a full keypad
3.19	Must have a viewing screen capable of viewing measured points
3.20	Must be able to select two points on the viewing screen and obtain a horizontal measurement
3.21	Must wirelessly communicate with the measurement head and have a unique Bluetooth address to avoid radio interference
3.22	Must have a low-battery warning
3.23	Must have an "out-of-level" warning if measurement head is out of level
3.24	Must have a viewing screen that is a minimum of 4" and a maximum of 8"
3.25	Must have functional measurement software
3.26	Must be able to transfer measurement data from internal memory to a SD card or USB stick (and vice versa)
3.27	All components of the data collector operating system must be able to be backed up and transferred to a SD card or USB stick in the event a replacement controller is required

No.	Specification
4.	Prism
4.1	Must include 360° prism
4.2	Prism must be able to attach and detach from the prism pole by a plug-in style (not threaded)
4.3	Must include protective case
4.4	Prism must be recognized and tracked by the measurement head

No.	Specification
5.	Prism Pole
5.1	Must be extendable with a minimum working height of 1.30m

5.2	Must be extendable with a maximum working height of 3.0m
5.3	Must have a visible height measurement value in metric (1cm intervals)
5.4	Must be adjustable within the required working height
5.5	Must be made of aluminum or other metal alloy. Must not be primarily constructed of plastic or fiberglass
5.6	Must be able to attach a 360° and standard prism (separately) by a plug-in style (not threaded)
5.7	Must be able to attach and detach the prism from the prism pole
5.8	Must include all mounts/brackets to fasten the data collector
5.9	Must have a 8' circular leveling bubble

No.	Specification
6.	Software
6.1	Must include any software necessary for the measurement head to communicate with the data collector
6.2	Must include software necessary for the measurement head to obtain and record measurements
6.3	Must include software to be able to traverse locations
6.4	Must include software necessary for the data collector to obtain and record measurements
6.5	Measurement data must be able to convert into a variety of formats for use in CAD software programs (e.g. MapScenes IMS, FARO 360, Visual Statement, Edge FX, etc.)
6.6	Must include software to allow communication of measurement head and data collector to Windows 7 and Windows 10-based computers
6.7	Must be able to code or input descriptions for each measurement (multiple attributes preferred)
6.8	Must include software necessary for total station setup and configuration
6.9	Must include software licenses for the measurement head and for the data collector

No.	Specification
7.	Training
7.1	Must include training (in English) for functionality of measurement head, data collector, prism, prism pole, tripod, on board software, and data transfer. This does not include training on how to survey or measure a scene. Training will be for up to four persons. For reasons of security, training may not be held on RCMP premises.
7.2	Training must be a minimum 1 full day (8 hours) and provided within the Chilliwack, BC area

7.3	Training will be provided within 1 month of the equipment delivery date
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No.	Specification
8.	Servicing
8.1	Supplier must maintain a factory-certified service technician for all servicing and calibrations, both distance and angular, as well as the external data collector within 50kms of the Surrey, British Columbia

No.	Specification
9.	Warranty
9.1	Entire total station system must be covered under one-year warranty

3.0 **Delivery Address:**

RCMP
14200 Green Timbers Way
Surrey, BC, V3T 6P3

ANNEX "B" BASIS OF PAYMENT

Prices are in Canadian dollars, FOB destination, freight included and Canadian Customs duties and excise tax are included if applicable

Table 1:Purchase Requirement

DESCRIPTION	UNIT of ISSUE	QUANTITY	FIRM UNIT PRICE CAD	EXTENDED PRICE (C x D) CAD
A	B	C	D	E
<i>Robotic Total Station System as per Annex A</i>	<i>Each</i>	<i>4</i>	<i>\$</i>	<i>\$</i>
<i>Table 1-F</i>			<i>Subtotal CAD \$</i>	

Table 2: Optional Requirement

DESCRIPTION	UNIT of ISSUE	QUANTITY	FIRM UNIT PRICE CAD	EXTENDED PRICE (C x D) CAD
A	B	C	D	E
<i>Robotic Total Station System as per Annex A</i>	<i>Each</i>	<i>9</i>	<i>\$</i>	<i>\$</i>
<i>Table2-F</i>			<i>Subtotal CAD \$</i>	

Delivery of optional goods within 4 weeks of exercising an option.

APPENDIX "A"
TECHNICAL COMPLIANCE FORM

a.) Instructions:

The technical bid must substantiate the compliance of the Bidder and its proposed product with the specifics of Annex "A" - Statement of Requirement identified in the Technical Compliance Form. Simply stating that the Bidder or its proposed solution or product complies is not sufficient. The Bidder must refer to supporting information within the Technical Bid to explain and demonstrate how the Bidder will meet the requirements and carry out the work – this information is to be referenced in the "reference" column of the Technical Compliance Form. Bidders must indicate where in the bid the supporting information can be found, including the title of the document, and the page and paragraph numbers; where the reference is not sufficiently precise, Canada may request that the Bidder direct Canada to the appropriate location in the documentation. Where Canada determines that the substantiation is not complete, the Bidder will be considered non-responsive and disqualified.

b.) Form

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
1.	Measurement Head			
1.1	Must have a minimum environmental operating air temperature range of -20°C to +50°C			
1.2	Must have an angular accuracy of 5" or better			
1.3	Must be able to rotate 360° and measure/record the angles for each measurement point			
1.4	Must have a minimum robotic rotation speed of 40°/second or better			
1.5	Must have a functional reflector prism measuring capability (360° and standard)			
1.6	Must have a functional reflector prism measuring accuracy of 1 to 3mm			
1.7	Must have a functional reflector prism minimum working distance of 500m			
1.8	Must have a minimum prism measurement distance of 2m or less			
1.9	Must have a prism distance measurement speed of 1 to 3 seconds or better			
1.10	Must have a functional reflectorless measuring capability			
1.11	Must have a functional reflectorless measuring accuracy of 1 to 3mm			
1.12	Must have a functional reflectorless minimum working distance of 400m			
1.13	Must have a minimum reflectorless measurement distance of 30cm or less			



1.14	Must have a reflectorless distance measurement speed of 1 to 3 seconds or better			
1.15	Must be functional as a robotic and as a standard operator aimed instrument			
1.16	Must have a telescope magnification of 30x or better			
1.17	Must auto track on the prism when robotic function activated and target centre of the prism			
1.18	Must have a "find prism" feature if auto tracking is interrupted (one push button for left and one push button for right)			
1.19	Must be able to obtain measurements from a 360° prism or a standard prism			
1.20	Must have a build in laser pointer that can be activated and terminated by the user			
1.21	Must be able to functionally operate in all weather conditions (e.g. rain, snow, bright sun, sleet, heat, dust, fog, wind gusts up to 40 km/h) and be configured to measure under these conditions			
1.22	Must have a minimum battery working range of 4 to 6 hours per battery			
1.23	Batteries must be rechargeable			
1.24	Must include 2 spare batteries (three batteries total)			
1.25	Must include an AC charging system (external to the measurement head)			
1.26	Measurement head must not exceed 15 pounds (battery included)			
1.27	Must have a protective case that does not exceed 60cm long x 45cm wide x 45cm tall			
1.28	Must be able to internally store measurement data if there is no external data collector in use (minimum of 500 fixpoints and 10,000 measurement points)			
1.29	Must have external SD card, CF card, or USB slot for data transfer			
1.30	Must include SD memory card or USB (minimum of 1GB)			
1.31	Must be able to communicate with an external data collector wirelessly via a built in radio handle			
1.32	Must have a minimum wireless data collector communication range of 800m (linear) and have a unique Bluetooth address to avoid radio interference			
1.33	Must be able to measure and record X, Y, and Z data (e.g. easting, northing, and elevation)			
1.34	Must have functional and accurate leveling capability (e.g. leveling bubble combined with digital leveling display)			
1.35	Must be able to fine tune the leveling of the instrument			
1.36	Must have visible optical plummet			



1.37	Must be a one person operational system (when remotely activated)			
1.38	Must include any cables designed for data transfer or software upgrades			
1.39	Must have a view screen that is visible in the bright sunlight and in full darkness conditions			
1.40	Fixpoint and measurement data must immediately write and be stored on the internal memory (when not using an external data collector) and/or have a minimum ½ hour battery backup so data is not lost if there is a sudden power loss			
1.41	Must fasten/unfasten from the tripod by way of a threaded bell to the serviceable, metal tribrach			
1.42	Must have a low-battery warning			
1.43	Must have a "out-of-level" warning			
1.44	Must come with manufacturer manual (either hard copy or digital)			
1.45	Must be able to be fully operated either directly from the measurement head keyboard or the hand held pole mountable field controller			
1.46	Must track prism without any further communication devices			
1.47	If need be, the prism search must be configurable to a defined location			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
2.	Tripod			
2.1	Must be constructed of aluminum, fiberglass, or carbon fiber (not wood)			
2.2	Must have a threaded bell to fasten the tribrach/measurement head			
2.3	Must have height-adjustable and locking legs for uneven surfaces			
2.4	Must be stable on asphalt, concrete, gravel, soil, and icy surfaces			
2.5	Must not weigh more than 17 pounds (excluding measurement head)			
2.6	Must be able to fold up and be transportable by vehicle			
2.7	Must have a carry strap and be transportable by a person			
2.8	Must be a minimum of 1m long (collapsed) and a maximum of 2m long (extended) and no wider than 25cm (at the foot pegs)			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
3.	Data Collector			
3.1	Must have a minimum operating range of -20°C to +50°C			
3.2	Must have a minimum battery working range of 8 hours per battery			



3.3	Must have an internal backup battery to avoid loss of measurement data in the case of a sudden loss of power			
3.4	Data collector must be able to attach/detach from the prism pole, and include all mounts/brackets for operational use			
3.5	Must be able to connect to a Windows 7 and Windows 10 Operating Systems to extract measurement data			
3.6	The screen must be clearly visible in direct sunlight and full darkness lighting conditions			
3.7	Must include stylus (if applicable), all cables, mounts, and software			
3.8	Must have a rechargeable battery			
3.9	Must weigh less than 5 pounds (battery included)			
3.10	Must have external SD card or USB slot			
3.11	Must include SD card or USB (minimum of 1GB)			
3.12	Must include an AC battery charging system			
3.13	Must include any cables required to connect to a computer system for data transfer, software updates, and general communication settings (e.g. USB cable)			
3.14	Must be able to code or input descriptions for each measurement (multiple attributes preferred)			
3.15	Must be a wireless data collector and have a minimum measurement head communication range of 800m			
3.16	Must be a touch-screen			
3.17	Must have a minimum non-volatile internal storage memory of 1GB and measurement data must be able to be stored within it			
3.18	Must be tablet or keyboard data collector and possess a full keypad			
3.19	Must have a viewing screen capable of viewing measured points			
3.20	Must be able to select two points on the viewing screen and obtain a horizontal measurement			
3.21	Must wirelessly communicate with the measurement head and have a unique Bluetooth address to avoid radio interference			
3.22	Must have a low-battery warning			
3.23	Must have an "out-of-level" warning if measurement head is out of level			
3.24	Must have a viewing screen that is a minimum of 4" and a maximum of 8"			
3.25	Must have functional measurement software			
3.26	Must be able to transfer measurement data from internal memory to a SD card or USB stick (and vice versa)			



3.27	All components of the data collector operating system must be able to be backed up and transferred to a SD card or USB stick in the event a replacement controller is required			
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No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
4.	Prism			
4.1	Must include 360° prism			
4.2	Prism must be able to attach and detach from the prism pole by a plug-in style (not threaded)			
4.3	Must include protective case			
4.4	Prism must be recognized and tracked by the measurement head			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
5.	Prism Pole			
5.1	Must be extendable with a minimum working height of 1.30m			
5.2	Must be extendable with a maximum working height of 3.0m			
5.3	Must have a visible height measurement value in metric (1cm intervals)			
5.4	Must be adjustable within the required working height			
5.5	Must be made of aluminum or other metal alloy. Must not be primarily constructed of plastic or fiberglass			
5.6	Must be able to attach a 360° and standard prism (separately) by a plug-in style (not threaded)			
5.7	Must be able to attach and detach the prism from the prism pole			
5.8	Must include all mounts/brackets to fasten the data collector			
5.9	Must have a 8' circular leveling bubble			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
6.	Software			
6.1	Must include any software necessary for the measurement head to communicate with the data collector			
6.2	Must include software necessary for the measurement head to obtain and record measurements			
6.3	Must include software to be able to traverse locations			
6.4	Must include software necessary for the data collector to obtain and record measurements			
6.5	Measurement data must be able to convert into a variety of formats for use in CAD software programs (e.g. MapScenes IMS, FARO 360, Visual Statement, Edge FX, etc.)			



6.6	Must include software to allow communication of measurement head and data collector to Windows 7 and Windows 10-based computers			
6.7	Must be able to code or input descriptions for each measurement (multiple attributes preferred)			
6.8	Must include software necessary for total station setup and configuration			
6.9	Must include software licenses for the measurement head and for the data collector			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
7.	Training			
7.1	Must include training (in English) for functionality of measurement head, data collector, prism, prism pole, tripod, on board software, and data transfer. This does not include training on how to survey or measure a scene. Training will be for up to four persons. For reasons of security, training may not be held on RCMP premises.			
7.2	Training must be a minimum 1 full day (8 hours) and provided within the Chilliwack, BC, area			
7.3	Training will be provided within 1 month of the equipment delivery date			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
8.	Servicing			
8.1	Supplier must maintain a factory-certified service technician for all servicing and calibrations, both distance and angular, as well as the external data collector within 50kms of Surrey, British Columbia			

No.	Specification	Compliance		Comment(s)/Cross Reference
		YES	NO	
9.	Warranty			
9.1	Entire total station system must be covered under one-year warranty			



APPENDIX "B"

COMPLETE LIST OF NAMES OF ALL INDIVIDUALS WHO ARE CURRENT BOARD OF DIRECTORS OF THE BIDDER

NAME

TITLE

GST# _____



APPENDIX “C” – OPTIONAL ITEMS

The specifications listed below will not be evaluated as part of the mandatory technical criteria. As such, a bid will not be deemed compliant or non-compliant based solely on the availability or unavailability of an optional item with respect to a bidder’s proposed product/model.

Important Note: Optional items are not to be included in the bidder’s pricing at Annex “B” – Basis of Payment.

No.	Specification	Availability		Comment(s)/Cross Reference
		YES	NO	
9.	Optional Item(s)			
9.1	Imbedded camera in the data collector			
9.2	Extended warranty (2 years +)			