



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des
soumissions/Travaux publics et Services
gouvernementaux Canada
See herein for bid submission
instructions/
Voir la présente pour les
instructions sur la présentation
d'une soumission
NA
Ontario

REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government
Services Canada**

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: Travaux Publics et Services
Gouvernementaux 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 annexes
ci-jointes, les biens, services et construction énumérés
ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Title - Sujet 3D Printer	
Solicitation No. - N° de l'invitation W4948-22SE13/A	Date 2021-12-13
Client Reference No. - N° de référence du client W4948-22-SE13	
GETS Reference No. - N° de référence de SEAG PW-\$KIN-655-8532	
File No. - N° de dossier KIN-1-56168 (655)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Standard Time EST on - le 2022-01-12 Heure Normale du l'Est HNE	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Semple, Patrick	Buyer Id - Id de l'acheteur kin655
Telephone No. - N° de téléphone (613) 449-3112 ()	FAX No. - N° de FAX (613) 545-8067
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Department of National Defense Astra, ON,	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Public Works and Government Services / Travaux publics et
services gouvernementaux
Kingston Procurement
Des Acquisitions Kingston
86 Clarence Street, 2nd floor
Kingston
Ontario
K7L 1X3

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° 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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	3
1.1 SECURITY REQUIREMENTS	3
1.2 REQUIREMENT	3
1.3 DEBRIEFINGS	3
1.4 EPOST CONNECT SERVICE	3
1.5 COVID-19 VACCINATION REQUIREMENT	3
PART 2 - BIDDER INSTRUCTIONS	3
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	3
2.2 SUBMISSION OF BIDS – EPOST ONLY	4
2.3 ENQUIRIES - BID SOLICITATION	4
2.4 APPLICABLE LAWS	4
2.5 BID CHALLENGE AND RECOURSE MECHANISMS	5
PART 3 - BID PREPARATION INSTRUCTIONS	5
3.1 BID PREPARATION INSTRUCTIONS	5
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	6
4.1 EVALUATION PROCEDURES	6
4.2 BASIS OF SELECTION - MINIMUM POINT RATING	7
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	7
5.1 CERTIFICATIONS REQUIRED WITH THE BID	7
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	8
PART 6 - RESULTING CONTRACT CLAUSES	8
6.1 SECURITY REQUIREMENTS	8
6.2 REQUIREMENT	9
6.3 STANDARD CLAUSES AND CONDITIONS	9
6.4 TERM OF CONTRACT	11
6.5 AUTHORITIES	12
6.6 PAYMENT	13
6.7 INVOICING INSTRUCTIONS	13
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION	13
6.9 APPLICABLE LAWS	14
6.10 PRIORITY OF DOCUMENTS	14
6.11 <i>SACC MANUAL</i> CLAUSES	14
6.12 INSPECTION AND ACCEPTANCE	14
6.13 DISPUTE RESOLUTION	14
ANNEX "A"	15
STATEMENT OF WORK	15
ANNEX "B"	24
BASIS OF PAYMENT	24
ANNEX "C"	27

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE13

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-56168

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

MANDATORY AND POINT RATED TECHNICAL EVALUATION CRITERIA.....	27
ANNEX "D"	31
SECURITY REQUIREMENTS CHECK LIST	31
ANNEX "E" TO PART 3 OF THE BID SOLICITATION	32
ELECTRONIC PAYMENT INSTRUMENTS.....	32
ANNEX "F" TO PART 5 OF THE BID SOLICITATION.....	33
COVID-19 VACCINATION REQUIREMENT CERTIFICATION	33

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

1. Before award of a contract, the following conditions must be met:
 - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
 - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
 - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. Bidders are reminded to obtain the required security clearance promptly. Any delay in the award of a contract to allow the successful Bidder to obtain the required clearance will be at the entire discretion of the Contracting Authority.
3. For additional information on security requirements, Bidders should refer to the [Contract Security Program](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) of Public Works and Government Services Canada (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

1.2 Requirement

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

1.3 Debriefings

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 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information."

1.5 COVID-19 vaccination requirement

This requirement is subject to the COVID-19 Vaccination Policy for Supplier Personnel. Failure to complete and provide the COVID-19 Vaccination Requirement Certification as part of the bid will render the bid non-responsive.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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-) (<https://buyandsell.gc.ca/policy-and->

guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

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.

The [2003](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids – epost only

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time indicated in the bid solicitation.

PWGSC Ontario Region Bid Receiving Unit

Only bids submitted using epost Connect service will be accepted. The Supplier must send an email requesting to open an epost Connect conversation to the following address:

TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca (email address for epost Connect service)

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six (6) days before the Request for Proposals closing date.

Due to the nature of the Request for Proposal, transmission of bids by facsimile or hardcopy to PWGSC will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 (five) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

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

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 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
 - Office of the Procurement Ombudsman (OPO)
 - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- The Bidder must submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

Bids transmitted by facsimile or hardcopy will not be accepted.

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

Section I: Technical Bid

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

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex "X" Electronic Payment Instruments, to identify which ones are accepted.

If Annex "E" Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.1.3 SACC Manual Clauses

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The Mandatory Technical Evaluation Criteria are detailed in Annex C.

4.1.1.2 Point Rated Technical Criteria

The Point Rated Technical Evaluation Criteria are detailed in Annex C.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

- (a) Bidders must provide unit prices in Canadian dollars Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included for all items at Annex "B" Basis of Payment.
- (b) Bidders must not alter the pricing tables at Annex "B".

(c) Bidders must provide unit pricing for each item and for each pricing period in both Pricing Basis "A" – Initial Deliverables and Pricing Basis "B" – Optional Goods and Services

(d) For Pricing Basis "A" the unit price for each line item will be multiplied by the quantity to establish the extended price.

(e) For Pricing Basis "B" the extended pricing will be calculated as described at Pricing Basis "B"

(f) The price used in the evaluation will be the Evaluated Price, which is calculated as follows:

The Evaluated Price is the sum of the extended prices of Pricing Basis "A" – Initial Deliverables and the sum of the extended prices in Pricing Basis "B" – Optional Goods and Services

4.2 Basis of Selection - Minimum Point Rating

1. To be declared responsive, a bid must:

- a. comply with all the requirements of the bid solicitation; and
- b. meet all mandatory technical evaluation criteria; and
- c. obtain the required minimum of 20 points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 82 points.

2. Bids not meeting (a) or (b) or (c) will be declared non-responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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.

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 will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.1.2 Additional Certifications Required with the Bid

5.1.2.2 COVID-19 vaccination requirement certification

In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.

The Bidder must provide with its bid the COVID-19 vaccination requirement certification included in Annex "F", Additional Certifications Required with the Bid.

5.2 Certifications Precedent to Contract Award and Additional Information

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 provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<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.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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](https://www.canada.ca/en/employment-social-development/canada/esdc-labour) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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 The following security requirements (SRCL and related clauses provided by the Contract Security Program) apply and form part of the Contract.

**SECURITY REQUIREMENT FOR CANADIAN SUPPLIER:
PWGSC FILE No W4948-22SE13**

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Contract Security Program (CSP), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive site(s) must EACH hold a valid RELIABILITY STATUS, granted or approved by the CSP, PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of the CSP, PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
 - a) Security Requirements Check List and security guide (if applicable), attached at Annex D;
 - b) *Industrial Security Manual* (Latest Edition).

6.2 Requirement

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

6.3 Standard Clauses and Conditions

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) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010A](#) (2021-12-02), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Subsection 32 of 2010A, General Conditions – Goods (Medium Complexity), is added as follows:

2010A 32 (2021-11-04) Anti-forced labour requirements

1. The Contractor represents and warrants that the Work is not mined, manufactured or produced wholly or in part by forced labour. Regardless of who acts as an importer, the Contractor must not during the performance of the Contract, directly or indirectly, deliver Work to Canada or import Work into Canada the importation of which is prohibited pursuant to ss. 136(1) of the *Customs Tariff Act* and tariff item No. 9897.00.00 of the [Customs Tariff – Schedule](#) (as amended from time to time), because it is mined, manufactured or produced wholly or in part by forced labour.
2. If a tariff classification determination is made under the *Customs Act* that the importation of the Work, or any part of the Work, is prohibited, the Contractor must immediately inform the Contracting Authority in writing. Canada may terminate the Contract for default in accordance with section 2010A 23 - Default by the Contractor if the Work or any part of the Work is classified under tariff item no. 9897.00.00 of the [Customs Tariff – Schedule](#) as mined, manufactured or produced wholly or in part by forced labour. If the Contractor is aware that the Work, or any part of the Work, is being or has been investigated regarding whether it is prohibited from entry pursuant to tariff item No. 9897.00.00, the Contractor must immediately inform the Contracting Authority in writing of that investigation.

3. Canada may terminate the Contract for default in accordance with section 2010A 23 - Default by the Contractor if it has reasonable grounds to believe the Work was mined, manufactured or produced in whole or in part by forced labour or linked to human trafficking. Reasonable grounds for making such a determination may include:
 - a. Findings or Withhold Release Orders issued by the United States Customs and Border Protection, under the US Trade Facilitation and Trade Enforcement Act (TFTEA) of 2015; or
 - b. Credible evidence from a reliable source, including but not limited to non-governmental organizations.

4. Canada may terminate the Contract for default in accordance with section 2010A 23 - Default by the Contractor if the Contractor has, in the past three years, been convicted of any of the following offences under the Criminal Code or the Immigration and Refugee Protection Act:
 - i. section 279.01 (Trafficking in persons);
 - ii. section 279.011 (Trafficking of a person under the age of eighteen years);
 - iii. subsection 279.02(1) (Material benefit - trafficking);
 - iv. subsection 279.02(2) (Material benefit - trafficking of person under 18 years);
 - v. subsection 279.03(1) (Withholding or destroying documents - trafficking);
 - vi. subsection 279.03(2) (Withholding or destroying documents - trafficking of person under 18 years); or

Immigration and Refugee Protection Act

 - vii. section 118 (Trafficking in persons).

5. Canada may terminate the Contract for default in accordance with section 2010A 23 - Default by the Contractor if the Contractor has, in the past three years, been convicted of an offence in a jurisdiction other than Canada that, in Canada's opinion, is similar to any of the offences identified in paragraphs 4(i) to (vii).

6. For purposes of determining whether a foreign offence is similar to a listed offence, PWGSC will take into account the following factors:
 - i. in the case of a conviction, whether the court acted within its jurisdiction;
 - ii. whether the supplier was afforded the right to appear during the court's proceedings or to submit to the court's jurisdiction;
 - iii. whether the court's decision was obtained by fraud; or
 - iv. whether the supplier was entitled to present to the court every defence that the supplier would have been entitled to present had the proceeding been tried in Canada.

7. Where Canada intends to terminate the Contract under this section, Canada will inform the Contractor and provide the Contractor an opportunity to make written representations before making a final decision. Written representations must be submitted within 30 days from receiving a notice of concern unless Canada establishes a different deadline.

6.3.2 Supplemental General Conditions

4013 Compliance with on-site measures, standing orders, policies, and rules applies to and forms part of the Contract applies to and forms part of the Contract.

1. The Contractor must comply and ensure that its employees and subcontractors comply with all security measures, standing orders, policies or other rules in force at the site where the Work is performed.

4014 Suspension of the work applies to and forms part of the Contract.

1. The Contracting Authority may at any time, by written notice, order the Contractor to suspend or stop the Work or part of the Work under the Contract for a period of up to 180 days. The Contractor must immediately comply with any such order in a way that minimizes the cost of doing so. While such an order is in effect, the Contractor must not remove any part of the Work from any premises without first obtaining the written consent of the Contracting Authority. Within these 180 days, the Contracting Authority must either cancel the order or terminate the Contract, in whole or in part, under section 23 entitled "Default by the Contractor" or section 24 entitled "Termination for convenience" of general conditions

2. When an order is made under subsection 1, unless the Contracting Authority terminates the Contract by reason of default by the Contractor or the Contractor abandons the Contract, the Contractor will be entitled to be paid its additional costs incurred as a result of the suspension plus a fair and reasonable profit.

3. When an order made under subsection 1 is cancelled, the Contractor must resume work in accordance with the Contract as soon as practicable. If the suspension has affected the Contractor's ability to meet any delivery date under the Contract, the date for performing the part of the Work affected by the suspension will be extended for a period equal to the period of suspension plus a period, if any, that in the opinion of the Contracting Authority, following consultation with the Contractor, is necessary for the Contractor to resume the Work. Any equitable adjustments will be made as necessary to any affected conditions of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to 31 March 2027 inclusive.

6.4.2 Delivery Date

All the initial deliverables must be received on or before 31 March 2022.

6.4.3 Optional Goods

The Contractor grants to Canada the irrevocable option to acquire the goods described at Annex B 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.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.4.4 Delivery Points

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE13

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-56168

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

Delivery of the requirement will be made to CFB Trenton.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Patrick Semple
Title: Supply Specialist
Organization: Public Works and Government Services
Canada, Acquisitions Branch
Address: 86 Clarence Street,
Kingston, Ontario, K7L
1X3
Telephone: 613-449-3112
E-mail address: patrick.semple@pwgsc.gc.ca

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

The Project Authority for the Contract is: (to be completed at contract award)

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

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

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 (to be completed at contract award)

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

Telephone : _____
Facsimile: _____

E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

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

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

SACC Manual clause H1001C (2008-05-12) Multiple Payments

6.6.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

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.
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

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

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

6.10 Priority of Documents

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 supplemental general conditions 4013 & 4014;
- (c) the general conditions Goods (Medium Complexity) 2021-12-02;
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment
- (e) Annex C, Security Requirements Check List;
- (f) the Contractor's bid dated _____

SACC Manual clause [A9006C](#) _____ (insert date) Defence Contract

6.11 SACC Manual Clauses

G1005C (2016-01-28) Insurance

6.12 Inspection and acceptance

The Project Authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.13 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

ANNEX "A"
STATEMENT OF WORK

HIGH SPEED HIGH VOLUME 3D PRINTER

1.0 SCOPE

1.1 Purpose

The purpose of this statement of work (SOW) is to describe the requirements for the provision of commercial off-the-shelf, High Speed High Volume 3D Printer (HSHV3DP) to the Department of National Defence (DND).

1.2 Background

DND has a requirement for high-speed 3D printing of high volume items. The HSHV3DP will allow the capability to rapidly produce low complexity, high demand consumable products.

1.3 Applicable Documents

The following documents form part of this SOW to the extent specified herein, and are supportive of this SOW when referenced; any other documents are to be considered supplemental information only. In the event of a conflict between the documents referenced and the contents of this SOW, the contents of this SOW shall take precedence.

- MIL-HDBK-61B Configuration Management Guidance (available online)
- D-01-100-214/SF-000 Specification for Preparation of Provisioning Documentation for Canadian Forces Equipment (available upon request)

1.4 Definitions

Maintenance	All actions taken to keep materiel in or to restore it to specified conditions. It includes: recovery, inspection, testing, servicing, as to serviceability, repair, modification, rebuilding and reclamation.
OEM Level Repair	Any tasks required to bring an item to full serviceable condition, which can only be performed by the OEM. OEM repair will typically involve replacement/repair of internal components.
Overhaul	The restoration of an item to its original condition and near to its original life expectancy. It includes the replacement of worn, damaged or life expired parts, the incorporation of approved modifications and the rework of components as necessary. The depth of work will normally be to manufacturer's standards using replacement parts produced by the original equipment manufacturer or equivalent quality.
Repair	That corrective maintenance activity which restores an item to serviceable condition by correcting faults or replacing unserviceable pieces of the item with new, overhauled, rebuilt or reconditioned components.
Repair and Overhaul	The act of returning an item to a serviceable condition by disassembly, repair or

	replacement of damaged or deteriorated parts, reassembly, adjustment, examination and testing to specified standards. Whereas repair normally entails the correction of specific defects only, overhaul entails not only the replacement of worn and damaged parts but also of parts whose service life has expired or is about to expire, in order to return the item to its original performance and an acceptable life expectancy.
Serviceable Condition	The condition classification assigned to an item, which can be used without restriction for its intended purpose.
Technical Support	User assistance via phone, e-mail or live-chat for individuals having technical problems with a given product, especially with respect to electronics or software. The technical support team is made up of specialists who are familiar with the ins and outs of the product and are able to troubleshoot most problems that a user experiences.
Turn Around Time	The time from when a non-serviceable item arrives at the Contractor repair facility to when the repaired item departs the repair facility.

1.5 Acronyms

AWR	Additional Work Request
DND	Department of National Defence
HSHV3DP	High Speed High Volume 3D Printer
IPL	Illustrated Parts List
MPN	Manufacturer's Part Number
MRSEL	Manufacturer's Recommended Support Equipment List
MRSPL	Manufacturer's Recommended Spare Parts List
NATO	North Atlantic Treaty Organization
NCage	NATO Commercial and Governmental Entity
NSN	NATO Stock Number
OEM	Original Equipment Manufacturer
PA	Procurement Authority
SOW	Statement of Work
TA	Technical Authority
TDP	Technical Data Package

2.0 DELIVERABLES

The Contractor must deliver the following:

- a. Quantity one complete HSHV3DP, which meet the requirements and configuration listed in Annex B;
- b. A Technical Data Package (TDP) in accordance with Section 2.2, within two months of Contract Award or prior to the first delivery, whichever is first **Error! Reference source not found.**;
- c. A Manufacturer's Recommended Spare Parts List (MRSPL); to include the following information for each item (MS Word or PDF format):
 - (1) Item Name and Description;
 - (2) NCAGE;

- (3) Manufacturer Part Number (MPN);
 - (4) NATO Stock Number (if available);
 - (5) Proposed quantity;
 - (6) Price; and,
 - (7) Size/Weight.
- d. A Manufacturer's Recommended Support Equipment List (MRSEL) to include the following information for each item (MS Word or PDF format):
- (1) Item Name and Description;
 - (2) NCAGE;
 - (3) Manufacturer Part Number (MPN);
 - (4) NATO Stock Number (if available);
 - (5) Proposed quantity;
 - (6) Price; and,
 - (7) Size/Weight.
- e. Quantity one training serial in accordance with Section e3; and,
- f. Product Support in accordance with Section **Error! Reference source not found.2.**

Optional procurements are described in **Error! Reference source not found..**

2.1 Contract Kick-Off Meeting

The Contractor shall host a contract kickoff meeting at its production facility or by teleconference, as arranged with the Technical Authority (TA), within four weeks of contract award. This meeting will be used to introduce the DND project team and to discuss delivery timelines, Quality Assurance (QA) processes, and contract deliverables. DND will be responsible for all travel and associated costs for DND personnel attending the meeting. The agenda will be jointly developed by DND and the Contractor. The contractor will produce meeting minutes and an action item list within five days of completion of the meeting.

2.2 Technical Data Package

The Contractor must provide a TDP, in English, to DND as follows:

- a. One hard copy and one electronic copy (MS Word or PDF format) of the Operators Manual that includes illustrated set-up, operating, preventive and user maintenance, including procedures to replace all consumables, troubleshooting and safety instructions;
- b. One hard copy and one electronic copy (MS Word or PDF format) of the Maintenance/Repair Manual with each device that includes a list of replaceable components (including part numbers where applicable) and the procedures, parts and special tools necessary to conduct repairs;

Note: The operator and maintenance manuals may be delivered as one manual.

- c. An equipment checklist in accordance with the following:
 - (1) The equipment checklist must be a weatherproof concise guide, such as a laminated single card or small laminated folded sheet;
 - (2) Quantity one equipment checklist must be included with the, and an electronic copy must be provided to the TA as well;
- d. One electronic copy of available supporting test reports and/or compliance certificates upon request; and,
- e. A list of the serial numbers (if available) for the unit to be delivered.

2.3 Installation, Set-up, and Training

The Contractor must provide training, in English, as follows:

- a. Proper installation and set-up of the equipment on-site at the DND facility;
- b. On-site Maintenance/Operator course as follows:
 - (1) Training serial at DND's facility in Trenton;
 - (2) Training for up to 5 DND candidates per serial;
 - (3) For each course, each candidate is to be provided with a copy of the respective system training courses and manuals (as required) in both hard copy and in electronic format (MS Word, MS PowerPoint or PDF); and,
 - (4) The course content must include the following details as a minimum:
 - (a) Complete description of theory of operation and performance capability of the system;
 - (b) Hands-on familiarization to include:
 - i. Assembly and setup of the system;
 - ii. Function of the machine;
 - iii. Modes of operation and their proper employment;
 - iv. Data input configurations and functionality;
 - v. Post-processing;
 - vi. User trouble shooting;
 - vii. Daily/routine operator maintenance; and,
 - viii. Repair and testing techniques for the system.
 - (c) Care and cleaning requirements of the system, inclusive of approved cleaning products and methods; and,

(d) Technical diagnosis of the system to include fault-finding procedures or decision flow chart.

3.0 REQUIREMENTS

3.1 Configuration Management (CM)

The Contractor shall have an established, DND verifiable, Configuration Management (CM) Program which complies with or meets the intent of MIL-HDBK-61B, and must provide configuration identification, control and status accounting of all new and/or modified hardware, firmware, software and documentation. The HSHV3DP delivered must have the same product baseline, and support interchangeability/interoperability of parts. The established product baseline shall be maintained during repair and any deviation from the baseline must be approved by the TA before the repair is initiated.

3.2 Product Support

The Contractor shall provide product support for the HSHV3DP throughout the duration of the contract as follows:

- a. Additional Work Request (AWR) services in accordance with Section 3.2.32.3, including:
 - (1) Non-warranty repair;
 - (2) Repair and Overhaul;
 - (3) Hardware upgrades;
 - (4) Calibration; and,
 - (5) The provision of a Field Service Representative (FSR) to conduct on-site engineering and/or maintenance support at a DND facility or location.
- b. Technical Support in accordance with section 3.2.4.

3.2.1 Turn-Around Time

For all repairs, the targeted turn-around time (TAT) is 30 calendar days after receipt of a request from DND; including warranty and AWR repair. Where this target cannot be met, the Contractor shall promptly notify the PA of the delay and of any extenuating circumstances that would cause significant impediment to timely completion of the repair.

3.2.2 Warranty

The Contractor must provide warranty on all new equipment provided against material defects and workmanship, including parts and labour, at no additional cost to DND in accordance with the Contractor's standard warranty provisions for a minimum of one year. During the warranty period, the

Contractor must provide a new replacement item if a failed component cannot be repaired and returned to DND.

For the duration of the warranty (including extensions), the contractor must provide software updates as they become available, including security patches and code fixes for applications software, proprietary operating systems and firmware.

3.2.3 Additional Work Request

The Contractor shall provide non-warranty Additional Work Request (AWR) services on an as-and-when requested basis. All AWR repairs on the HSHV3DP are to be authorized in advance by the PA (in writing) in accordance with the repair procedure detailed in Section 0 below.

3.2.3.1 Repair Procedure

The HSHV3DP requiring repair shall have a Task Authorization number assigned by the PA prior to the Contractor performing repairs at the DND location. The Contractor shall perform OEM level repair on the HSHV3DP unit to equal or better than original performance parameters. The following procedures are to be followed:

- a. Upon notification of need of repair of DND equipment serviceable under the contract, the Contractor shall:
 - (1) Action any warranty activities;
 - (2) Determine the extent of the work required, prepare a cost estimate and submit it to the PA for approval. If approved, the PA will issue a Task Authorization on a DND 626 to complete the repair (no work is to commence until the DND 626 is received authorizing the repair);
 - (3) Complete the repair;
 - (4) Confirm operation of the component/system; and,
 - (5) Return of the HSHV3DP to service.

3.2.3.2 Repair to Product Baseline

Following repair, the Contractor shall ensure the HSHV3DP is in accordance with the respective approved Product Baseline prior to being returned to service with DND. Following repair or maintenance, the Contractor shall conduct functional/performance testing to ensure proper operation of the HSHV3DP.

3.2.3.3 Contractor Supplied Parts

The Contractor shall provide the repair parts required for warranty and AWR repairs, including the location of sources for the required parts. The Contractor is not required to maintain a spares inventory specifically for DND; however, they shall maintain a spares supply chain sufficient to support DND's requirements and continued use of the HSHV3DP. In the event that an original part is no longer available and the Contractor determines that a replacement part will serve with respect to fit, form, function, interface and reasonable cost, then the use of that part shall be approved by the TA in advance of the repair. As a minimum, when the product baseline and/or configuration changes:

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE13

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-56168

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

- a. Provide DND notification that the old and new parts are interchangeable;
- b. Assign the new unique MPN and vendor code; and,
- c. Update all necessary HSHV3DP technical documentation and provide the updated data to DND.

3.2.4 Technical Support

The Contractor must provide technical support, during normal working hours, which are defined as 0800-1700 local time at the Contractor's facility. Technical support may be provided by telephone and/or internet website/application. When DND notifies the contractor of a technical issue an initial response acknowledging the request and a statement of next steps must be submitted by the Contractor within 24-hours.

Annex "A" Part 2

PERFORMANCE AND TECHNICAL SPECIFICATIONS FOR THE HIGH SPEED HIGH VOLUME 3D PRINTER

1.0 SCOPE

1.1 General

This specification outlines the operational performance and technical requirements for the High Speed High Volume 3D Printer (HSHV3DP).

1.2 Acronyms

DND	Department of National Defence
HSHV3DP	High Speed High Volume 3D Printer
TA	Technical Authority

2.0 REQUIREMENTS

2.1 General Requirements

Requirement is for a High Speed, Large Volume 3D printer, utilizing Pellet extrusion.

- a. The HSHV3DP must achieve nozzle temperature of at least 400°C; Should be able to achieve 500°C.;
- b. The HSHV3DP should have interchangeable and replaceable nozzles available in multiple sizes (0.5mm – 4.0mm);
- c. The HSHV3DP must have an extrusion print rate of at least 2.5kg per hour; Should be able to print up to 9kg/hour;
- d. The HSHV3DP must have a minimum adjustable layer height from 0.1mm to 3.0mm;
- e. The HSHV3DP should be capable, at a minimum, of utilizing the following materials: ABS, ASA, PLA, PET, PETG, PVA, TPU, PBT, ULTEM, PEEK;
- f. The HSHV3DP must utilize materials of an open source, non-proprietary nature;
- g. The HSHV3DP must have both a direct feed hopper, and large volume vacuum fed hopper or equivalent, with integrated pellet dryer;

2.2 Technical Requirements

2.2.1 Build Cabinet

- a. The HSHV3DP must have a minimum total build volume of 600mm x 600mm x 1000mm (LxWxH);
- b. The HSHV3DP must be equipped with a vacuum-enabled print bed capable of heating to at least 150°C;
- c. The HSHV3DP must have an enclosed build chamber capable of maintaining a temperature of 100°C;
- d. The HSHV3DP should not exceed outside dimensions of 2000mm x 2000mm x 2000mm (±5%), with doors and access panels closed, not including add-on options or accessories;
- e. The HSHV3DP should not exceed a total weight of 1200kg (±5%), not including add-on options or accessories
- f. The HSHV3DP should include material run-out indication with job halt;
- g. The HSHV3DP should include a GUI display showing current job status and print parameters (Ex: Build plate and nozzle temperatures, feed rate).

2.2.2 Software

- a. The HSHV3DP should accept, at a minimum, .stl files from CAD based (SolidWorks) modeling software;
- b. The HSHV3DP must have a slicer program specific to the 3D printer, capable of optimising print parameters for large volume prints;

2.2.3 Environmental

- a. The HSHV3DP should have an operating temperature range of +15 to +30° C; and,
- b. The HSHV3DP should have an operating humidity range of 80%, or better.

2.2.4 Power

- a. The HSHV3DP must have a maximum power draw of 50A, 1Ø, 220v; and,
- b. The HSHV3DP should have a UPS (Uninterruptable Power Supply), or other means of resuming print after short power interruption (<5 minutes).

ANNEX "B"

Basis of Payment

For the requirement as described in Annex A "Requirement", the Bidder must provide a firm unit price for all items including delivery. All prices must be in Canadian currency, FOB Destination, including customs duties, and excise taxes, if applicable. HST is extra.

Bidders must provide unit prices for both Pricing Basis "A" and Pricing Basis "B"

Pricing Basis "A" – Initial Deliverables				
Must be delivered on or before 31 March 2022				
Item	Description	Qty "a"	Unit Price "b"	Extended Price*1 "a" x "b"
1	HSHV3DP in accordance with the operational and technical requirements in Annex A.	1	\$ _____ CAD	\$ _____ CAD
2	Training Serial as per Section 2.3	1	\$ _____ CAD	\$ _____ CAD
Pricing Basis A - Total Evaluated Price*1 (Sum of Extended Prices of Item 1 & Item 2)				

*1 Canada will complete during evaluation.

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE12

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-XXXXXX

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

Pricing Basis "B" - Optional Goods

Pricing Periods

Pricing Period 1 - 1 April 2022 - 31 March 2023
Pricing Period 2 - 1 April 2023 - 31 March 2024
Pricing Period 3 - 1 April 2024 - 31 March 2025
Pricing Period 4 - 1 April 2025 - 31 March 2026
Pricing Period 5 - 1 April 2026 - 31 March 2027

The Bidder must provide a firm unit price for all items and all pricing periods, including delivery. All prices must be in Canadian currency, FOB Destination, including customs duties, and excise taxes, if applicable. HST is extra.

Please see following page for Pricing Basis B

*1 Canada will complete for evaluation purposes.

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE12

Amd. No. - N° de la modif.
KIN655
File No. - N° du dossier
KIN-1-XXXXXX

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

Pricing Basis "B" – Optional Goods and Services

Options to purchase additional HSHV3DP's, Training Serials and Extended Warranties until 31 March 2027

Item	Description	Up to a total for all periods "a"	Pricing Period 1 Unit Price "b"	Pricing Period 2 Unit Price "c"	Pricing Period 3 Unit Price "d"	Pricing Period 4 Unit Price "e"	Pricing Period 5 Unit Price "f"	Avg Unit Price *1 (b+c+d+e+f)/5 "h"	Extended Price *1 (For evaluation purposes) "a" x "h"
1	Up to two HSHV3DP in accordance with the operational and technical requirements in Annex A.	2	\$ ___/ea						
2	Training Serials	5	\$ ___/ea						
3	Extended Warranty A one-year warranty extension for up to three HSHV3DP.	3	\$ ___/ea						
Pricing Basis "B" - Total Evaluated Price*1 (Sum of Extended Prices of Item 1 - 3)									

ANNEX "C"

Mandatory and Point Rated Technical Evaluation Criteria

The Bidder must demonstrate that their proposed equipment meets or exceeds the following Mandatory Technical Evaluation Criteria. For each specification listed, the bidder must include a reference to supporting technical documents included with their bid, such as literature, brochures and/or specifications for their proposed equipment, where it is clearly demonstrated that their proposed equipment meets the specification. If any of the equipment specification is missing from the supporting technical documentation, then the Bidder must provide a narrative to demonstrate how the equipment meets that particular specification.

In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings.

In the "Reference to Substantiation in the technical Bid" column, the bidder should state the page number and other information that would assist the evaluation team in locating the bidder's response to each of the MTC in their proposal.

Number	Reference to Annex A Part 2	Requirement	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID
M1	2.1 a.	The HSHV3DP must achieve an extrusion nozzle temperature of at least 400°C	
M2	2.1 c.	The HSHV3DP must have a pellet extrusion rate of at least 2.5kg per hour	
M3	2.1 d.	The HSHV3DP must have a minimum adjustable layer height from 0.1mm to 3.0mm	
M4	2.1 f.	The HSHV3DP must utilize materials of an open source, non-proprietary nature	
M5	2.1 g.	The HSHV3DP must have both a direct feed hopper, and large volume vacuum fed hopper or equivalent, with integrated pellet dryer	
M6	2.2.1 a.	The HSHV3DP must have a minimum total build volume of 600mm x 600mm x 1000mm (L x W x H)	
M7	2.2.1 b.	The HSHV3DP must be equipped with a vacuum-enabled print bed capable of heating to at least 150°C	
M8	2.2.1 c.	The HSHV3DP must have an enclosed build chamber capable of maintaining a temperature of 100°C	

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE12

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-XXXXX

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

Number	Reference to Annex A Part 2	Requirement	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID
M9	2.2.2 b.	The HSHV3DP must have a slicer program specific to the 3D printer, capable of optimising print parameters for large volume prints	
M10	2.2.4 a.	The HSHV3DP must have a maximum power draw of 50A, 1Ø, 220v	

Point Rated Criteria

Each Technical Bid which meets all the Mandatory Specifications, will be evaluated and scored in accordance with the following evaluation criteria:

Number	Reference to Annex A Part 2	Requirement	Maximum Points	Bidders will be awarded Points as follows	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID
R1	2.1 a.	The HSHV3DP should be able to achieve an extrusion nozzle temperature of 500°C	5	Meets Criteria = 5 Does not meet = 0	
R2	2.1 b.	The HSHV3DP should have interchangeable, replaceable nozzles available in multiple sizes (0.5mm – 4.0mm)	5	1 point awarded for each nozzle size available within the range, to a maximum of 5 additional points	
R3	2.1 c.	The HSHV3DP should have an extrusion print rate of up to 9kg/hour	7	1 point awarded for each additional kg/hour achievable at or above 3kg/hour, for a maximum of 7 additional points.	
R4	2.1 e.	The HSHV3DP should be capable, at a minimum, of utilizing the following materials: ABS, ASA, PLA, PET, PETG, PVA, TPU, PBT, ULTEM, PEEK	10	1 point awarded for each material utilized; maximum of 10 additional points	
R5	2.2.1 d.	The HSHV3DP should not exceed outside dimensions of 2000mm x 2000mm x 2000mm (±5%), with doors and access panels closed, not including add-on options or accessories	10	10 points if at or inside of 2000mm x 2000mm x 2000mm (±5%) Does not meet = 0	
R6	2.2.1 e.	The HSHV3DP should not exceed a total weight of 1200kg (±5%), not including add-on options or accessories	10	10 points if at or below 1200kg (±5%), as detailed Does not meet = 0	
R7	2.2.1 f.	The HSHV3DP should have material run-out indication with job halt	10	Meets Criteria = 10 Does not meet = 0	

Number	Appendix 2 to Annex A Reference	Requirement	Maximum Points	Bidders will be awarded Points as follows	REFERENCE TO SUBSTANTIATION IN THE TECHNICAL BID
R8	2.2.1 g.	The HSHV3DP should include a GUI display showing current job status and print parameters (ex: Build plate and nozzle temperatures, feed rate, etc)	10	Meets Criteria = 10 Does not meet = 0	
R9	2.2.2 a.	The HSHV3DP should accept, at a minimum, .stl files from CAD based (ex: SolidWorks) modeling software	10	Meets Criteria = 10 Does not meet = 0	
R10	2.2.4 b.	The HSHV3DP should have a UPS (Uninterruptable Power Supply), or other means of resuming a print after short power interruption (<5 minutes)	5	Meets Criteria = 5 Does not meet = 0	
		Maximum Points	82	Minimum Points Required 20	

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE12

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-XXXXX

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

ANNEX "D"

SECURITY REQUIREMENTS CHECK LIST



SECURITY REQUIREMENTS CHECK LIST (SRCL)

LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine: **Department of National Defence** / 2. Branch or Directorate / Direction générale ou Direction: **CANSOFCOM**

3. a) Subcontract Number / Numéro du contrat de sous-traitance: / 3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant:

4. Brief Description of Work / Brève description du travail:
Procurement of a High Speed High Volume 3D Printer, accessories, and on-site installation and training.

5. a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées? No / Non Yes / Oui

5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? / Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? No / Non Yes / Oui

6. Indicate the type of access required / Indiquer le type d'accès requis

6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? (Specify the level of access using the chart in Question 7. c) / (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c) No / Non Yes / Oui

6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. / Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. No / Non Yes / Oui

6. c) Is this a commercial courier or delivery requirement with no overnight storage? / S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? No / Non Yes / Oui

7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès

Canada <input type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
---------------------------------	--------------------------------------	---

7. b) Release restrictions / Restrictions relatives à la diffusion

No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable / À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: <input type="checkbox"/> Specify country(ies): / Préciser le(s) pays:	Restricted to: / Limité à: <input type="checkbox"/> Specify country(ies): / Préciser le(s) pays:	Restricted to: / Limité à: <input type="checkbox"/> Specify country(ies): / Préciser le(s) pays:

7. c) Level of information / Niveau d'information

PROTECTED A / PROTÉGÉ A <input type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET / SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>		TOP SECRET / TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>



PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
If Yes, indicate the level of sensitivity:
Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? No / Non Yes / Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :
Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET - SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |

Special comments:
Commentaires spéciaux :

RS Required to access unit bldgs for install and Trg

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui

If Yes, will unscreened personnel be escorted?
Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. b) Will the supplier be required to safeguard COMSEC information or assets?
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? No / Non Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui

11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui



PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET / COSMIC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
				CONFIDENTIEL		TRÈS SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL	A		B	C	CONFIDENTIEL			
Information / Assets / Renseignements / Biens / Production																
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?
La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

No / Non Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?
La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

No / Non Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).
Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquer qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature	Digitally signed by COULTER, DUNCAN 081 Date: 2021.07.13 10:15:31 -04'00'
Duncan Coulter	Maj	COULTER, DUNCAN 081	

Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
613-392-2811 ext 5519		duncan.coulter@forces.gc.ca	Included in Digital Stamp

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature
Sasa Medjovic	Senior security analyst	

Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
613-996-0286		sasa.medjovic@forces.gc.ca	Included in Digital Stamp

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

No / Non Yes / Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)	Title - Titre	Signature

Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
			Included in Digital Stamp

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Emmanuel Conduah Contract Security Officer Emmanuel.Conduah@pwgsc-tpsgc.gc.ca	Title - Titre	Signature

Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date
			Included in Digital Stamp

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE12

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-XXXXXX

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

ANNEX "E" to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "F" to PART 5 of the BID SOLICITATION

COVID-19 VACCINATION REQUIREMENT CERTIFICATION

In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.

COVID-19 Vaccination Requirement Certification

I, _____ (*first and last name*), as the representative of
_____ (*name of business*) pursuant to
_____ (*insert solicitation number*), warrant and certify that
all personnel that _____ (*name of business*) will provide on
the resulting Contract who access federal government workplaces where they may come into
contact with public servants will be:

- (a) fully vaccinated against COVID-19;
- (b) for personnel that are unable to be vaccinated due to a certified medical contraindication, religion or other prohibited grounds of discrimination under the *Canadian Human Rights Act*, subject to accommodation and mitigation measures that have been presented to and approved by Canada; or
- (c) partially vaccinated against COVID-19 for a period of up to 10 weeks from the date of their first dose and subject to temporary measures that have been presented to and approved by Canada, immediately after which period the personnel will meet the conditions of (a) or (b) or will no longer access federal government workplaces where they may come into contact with public servants under this Contract;

until such time that Canada indicates that the vaccination requirements of the COVID-19 Vaccination Policy for Supplier Personnel are no longer in effect.

Solicitation No. - N° de l'invitation
W4948-22SE13/A
Client Ref. No. - N° de réf. du client
W4849-22-SE12

Amd. No. - N° de la modif.
File No. - N° du dossier
KIN-1-XXXXXX

Buyer ID - Id de l'acheteur
KIN655
CCC No./N° CCC - FMS No./N° VME

I certify that all personnel provided by _____ (*name of business*) have been notified of the vaccination requirements of the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel, and that the _____ (*name of business*) has certified to their compliance with this requirement.

I certify that the information provided is true as of the date indicated below and will continue to be true for the duration of the Contract. I understand that the certifications provided to Canada are subject to verification at all times. I also understand that Canada will declare a contractor in default, if a certification is found to be untrue, whether made knowingly or unknowingly, during the bid or contract period. Canada reserves the right to ask for additional information to verify the certifications. Failure to comply with any request or requirement imposed by Canada will constitute a default under the Contract.

Signature: _____

Date: _____

Optional

For data purposes only, initial below if your business already has its own mandatory vaccination policy or requirements for employees in place. Initialing below **is not** a substitute for completing the mandatory certification above.

Initials: _____

Information you provide on this Certification Form and in accordance with the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel will be protected, used, stored and disclosed in accordance with the Privacy Act. Please note that you have a right to access and correct any information on your file, and you have a right to file a complaint with the Office of the Privacy Commissioner regarding the handling of your personal information. These rights also apply to all individuals who are deemed to be personnel for the purpose for the Contract and who require access to federal government workplaces where they may come into contact with public servants.