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PWGSC

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See herein

NA

Québec

NA

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise
indicated, all other terms and conditions of the Solicitation
remain the same.

Ce document est par la présente révisé; sauf indication contraire,
les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

TPSGC/PWGSC
601-1550, Avenue d'Estimauville
Québec
Québec
G1J 0C7

Title - Sujet Hydraulic Press Brake Hydraulic Press Brake	
Solicitation No. - N° de l'invitation W7701-217322/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client W7701-217322	Date 2021-10-22
GETS Reference No. - N° de référence de SEAG PW-\$QCN-043-18219	
File No. - N° de dossier QCN-1-44021 (043)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2021-11-02 Heure Avancée de l'Est HAE	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Langis, Sonia	Buyer Id - Id de l'acheteur qcn043
Telephone No. - N° de téléphone (418) 254-9962 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

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AMENDMENT 003

This amendment is required to add the COVID-19 Vaccination Policy for Supplier Personnel, to provide a question/answer and to amend the Request for proposal(RFP)

1. ADD

INSERT

PART 1 - GENERAL 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 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

5.1 Additional Certifications Required with the Bid

5.1.2 COVID-19 vaccination requirement certification *(Annex “G “ to be completed by the bidder)*

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.

PART 6 - RESULTING CONTRACT CLAUSES

6.3.2 Supplemental General Conditions

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.

6.3.2.1

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

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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 sections 23 (2014-09-25) Default by the Contractor or 24 (2020-05-28) Termination for convenience of general conditions 2010A.

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.

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2 QUESTION/ANSWER

Q1 5.2.12 Basic punch with a working length of 104.65 mm, a point angle of 85 degrees, a point radius of 0.8 mm and a maximum load of 100 T / m and a total width of 26 mm.

a) total length of 2000 mm

Your bending length is 72" (1828.80 mm). Do you want to maximize tooling or do you want your 2000 mm?

A1 Description 5.1.12 is amended as follows:

Delete: a) a total length of 2000 mm

Insert: a) the length of the punch must have a minimum of 1828 mm and a maximum of 2085 mm. It can be segmented.

Q2 5.1.1.4 Net weight of the machine: minimum 7000 pounds maximum 10,000
Our machine weight is **11,880 lb**, please advise if the end user would accept it.

A2 Yes. Description 5.1.1.4 is amended as follows:

Net weight of the machine: minimum 7000 pounds maximum 12,000 lb

Q3 5.1.1.9 Back gauge stroke: minimum 30 inches
Our machine back gauge stroke is 29.5" please advise if the end user would accept it.

A3 Yes. Description 5.1.1.9 is amended as follows:

Back gauge stroke: minimum 29.50 inches

Q4 5.1.2.4 Lowering of the Ram with a limit switch for angle repetition
Instead of limit switch we offer Encoder which has much better accuracy, please advise if the end user accept this.

A4 Yes. Description 5.1.2.4 is amended as follows:

Lowering of the Ram with a limit switch for angle repetition or with an encoder

Q5 There is no mention of a bench compensation system. Do you want a bench compensation system? If so, the ideal is to go for the CNC model, which can be controlled, from the press brake controller. For bending of 4 "to 6" long plate, crowning will be required to ensure better bending accuracy. Without the crowning system, the bend angle at the ends will be stronger than the angle at the center. In addition, point 5.1.4.7 of your quote asks for "a numerical compensation of the bench".

A5 Yes, this is what is required at point 5.1.4.7 a) and b).

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Q6 5.1.4.8 Dialogue language in English or in French: Do you accept a controller in English only?

A6 Yes, but training must be in French.

Q7 5.2.14 Foot pedal for opening and closing the punch: Could you clarify this point please?

A7 No, it's not the clamps. It is a pedal to operate the opening and closing of the press with the foot.

Q8 5.1.3.1 Low level hydraulic tank alarms: This feature is of little use on a press brake, the hydraulic circuit is in a closed circuit and if the oil level in the tank drops, it will be due to an external leak. that it will be easy to detect. Most press brakes do not have this function. This characteristic is probably unique to one or a few brands of press brake and this will certainly limit the number of bidders, which is not to your advantage.

A8 Description 5.1.3.1 is amended as follows
Low level hydraulic tank alarms or with a Hydraulic tank low level sight glass

Q9 5.1.2.2 Numerically controlled axes: minimum Y1, Y2, X1 and X2 and R: Are you referring to a 2-axis back gauge?

A9 Description 5.1.2.2 is amended as follows:
Numerically controlled axes: minimum of the machine Y1, Y2, X and R

Q10 5.2.12 Basic punch with a total length of 2000 mm: The standard sectioning is 835mm or 415mm, a punch of 2000mm in one length is non-standard and must be made to measure. Would 2x 835mm + 1x415mm = 2085mm be acceptable?

A10 Yes. Description 5.2.12 is amended as follows: The length of the punch must have a minimum of 1828 mm and a maximum of 2085 mm. It can be segmented

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3. AMENDMENT

DELETE ENTIRELY:

ANNEX A - REQUIREMENT

AND REPLACED BY:

ANNEX A - REQUIREMENT

1. TITLE

HYDRAULIC PRESS BRAKE

2. BACKGROUND

The Prototyping Section of Defense Research and Development Canada (DRDC) - Valcartier Research Center wishes to acquire a hydraulic press brake to perform precise sheet metal bending work. The requirement includes delivery and commissioning of the equipment, documentation, training and technical support.

3. ACRONYMS

DRDC : Defence and Research Development Canada
MM : millimeter
T/m : Ton (metric) per meter
C45 : 1045 carbon steel

4. APPLICABLE DOCUMENTS AND REFERENCES

No

5. NEEDS

5.1 HYDRAULIC PRESS BRAKE

Quantity required : 1, including,

- All accessories and tools according to the quantities specified below,
- Anchors required for fixing to the ground on a reinforced 6 inches thick concrete slab. The fixing to the ground and the connection to the electrical panel will be carried out by the DRDC.
- All materials necessary for connection to the electrical panel (of DRDC) with electrical transformer (of the machine) included if required (see 5.1.1.2)
- All the wiring system, hydraulic hoses if applicable and their connections to the control panel so that the machine is fully operational.

The contractor must provide a hydraulic press brake meeting the following description.

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5.1.1 General

Number	Description
5.1.1.1	Tonnage : minimum 40 tons
5.1.1.2	Electric power 600 Volt 3 phases, if less than 600V include a transformer that corresponds to the voltage of the machine
5.1.1.3	Available floor space, including panels (Length x width x height): maximum 130 inches X 100 inches X 100 inches
5.1.1.4	Net weight of the machine: minimum 7000 pounds maximum 12,000
5.1.1.5	Bending length: minimum 72 inches
5.1.1.6	Ram stroke: minimum 6.25 inches
5.1.1.7	Maximum opening (Day light): minimum 15 inches
5.1.1.8	Throat depth: minimum 12 inches
5.1.1.9	Back gauge stroke: minimum 29.5 inches
5.1.1.10	Minimum bending thickness: - 44W 1/8 inch thick steel over 3 feet minimum. - Stainless steel 1/8 inch thick over 3 feet minimum. - Aluminum 5052-H32 3/16 inch thick over 6 feet minimum
5.1.1.11	Minimum capacity of the electric motor: 5 HP

5.1.2 Precision capacity

Number	Description
5.1.2.1	Positioning and repeatability tolerance of axes Y1, Y2, X and R: maximum of plus or minus 0.002 of an inch
5.1.2.2	Numerically controlled axes: minimum Y1, Y2, X and R
5.1.2.3	Magnetic rulers for digitally controlled axes with acceptable resolution minimum 0.0002 inches and maximum 0.0005 inches
5.1.2.4	Lowering of the Ram with a limit switch for angle repetition or with an encoder

5.1.3 Lubrification and alarms

Number	Description
5.1.3.1	Low level hydraulic tank alarms or with a Hydraulic tank low level sight glass
5.1.3.2	On screen alarms Information

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5.1.4 Controller

Numéro	Description
5.1.4.1	Metal case including a 9 inches (minimum) colored control touchscreen with LED backlighting. (Light emitting diode)
5.1.4.2	Tilt and swivel operating console with emergency stop button
5.1.4.3	Memory capacity: minimum 1 gigabyte (GB)
5.1.4.4	USB port with data backup and restore capability
5.1.4.5	Saving the original machine parameters in the event of a power failure
5.1.4.6	The controller must be installed on the right side of the machine when we are facing the machine, in operation position.
5.1.4.7	Programming and functions included: <ul style="list-style-type: none">a) Numerical compensation of the benchb) Crowning controlc) Programming of overwritten productd) Department programminge) Property of the programmable bending materialf) Selection of units of measurement mm or inchesg) Tool library 10 punches minimum and 10 dies minimumh) Alphanumeric identification of the tool in the controlleri) Calculation of the tool safety zonej) Calculation of the Press Forcek) Calculation of Bend Tolerancel) Calculation of Crowning Adjustmentm) Calculation of frame deflection with bench compensationn) Database of learned angle correctionso) 2-dimensional simulation of the folding sequence on the screenp) Error diagnosis systemq) Stroke counter and machine operating time
5.1.4.8	Dialogue language in English or French

5.2 ACCESSORIES AND TOOLS

All sets of punches and dies should be ground and hardened. They should have a surface hardness between 50-60 HRC (standardized symbol for Rockwell hardness) over the entire ply surface. The material used for all punches and dies sets must be at least C45 carbon steel. The tang of all punches and the base of all dies must all be compatible with the proposed machine.

Number	Description	Quantity
5.2.1	Front support arm adjustable on bearing with locks length 24 inches minimum	Quantity : 2
5.2.2	Die base for 60 mm tool	Quantity : 1
5.2.3	Safety laser beam for the bending area	Quantity : 1
5.2.4	Rear panel protection and side panels with switches to protect access from the rear of the machine	Quantity : 1 rear and 1 each side
5.2.5	Set of fasteners for segmented and adjustable punches with quick-release clamp	Quantity : 1
5.2.6	Crushed ply matrix with spring. Die base should be 60mm wide, 135mm high (full open), 26 degree V opening angle, 12mm V opening, 3mm spokes on top of V, a maximum load of 100 T / m, a fold opening of 15 mm. Die should kink on steel 1/8 inch thick or less. a) Total length of the die is 835 mm	a) Quantity : 1
5.2.7	T-shaped die. The base of the die should be 60mm, height 80mm, V opening angle of 30 degrees, V opening of 12mm, radius of 1.5mm, a maximum load of 50 T / m. Die should bend stainless steel 1/16 inch thick and less. a) a continuous total length of 835 mm b) a segmented length of 805 mm in 9 segments	a) Quantity : 2 b) Quantity : 1
5.2.8	Die with 4 V-openings. It must measure 60 mm x 60 mm, must have a V opening angle of 85 degrees on all 4 sides and a maximum load of 80 T/m. - the first side must have an opening of 50 mm with a radius of 2 mm at the bottom of the V and a radius of 4 mm on the opening of the V. - the second side should have a 35mm opening with a radius of 2mm at the bottom of the V and a 3mm radius on the opening of the V.	a) Quantity : 2 b) Quantity : 1

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Number	Description	Quantity
	<p>- the third side must have a 16mm opening with a radius of 1mm at the bottom of the V and 2mm radius on the opening of the V.</p> <p>- the fourth side must have an opening of 22 mm with a radius of 1 mm at the bottom of the V and 2.5 mm radius on the opening of the V.</p> <p>a) a continuous total length of 835 mm</p> <p>b) a segmented length of 805 mm in 9 segments</p>	
5.2.9	<p>Basic punch with a working length of 104.65 mm, a point angle of 85 degrees, a point radius of 0.8 mm and a maximum load of 100 T / m and a total width of 26 mm.</p> <p>a) a continuous total length of 835 mm</p> <p>b) a segmented length of 805 mm in 9 segments</p> <p>c) a continuous total length of 415 mm</p>	<p>a) Quantity : 2</p> <p>b) Quantity : 1</p> <p>c) Quantity : 1</p>
5.2.10	<p>Sharp punch with a working length of 117mm, a tip angle of 26 degrees, a tip radius of 0.8mm and a maximum load of 100 T / m and a total width of 26mm.</p> <p>a) a continuous total length of 835 mm</p> <p>b) a segmented length of 805 mm in 9 segments</p> <p>c) a continuous total length of 415 mm</p>	<p>a) Quantity : 2</p> <p>b) Quantity : 1</p> <p>c) Quantity : 1</p>
5.2.11	<p>Gooseneck punch with a working length of 115mm, a point angle of 85 degrees, a point radius of 0.8mm and a maximum load of 35 T / m and a total width of 67mm.</p> <p>a) a continuous total length of 835 mm</p> <p>b) a segmented length of 805 mm in 9 segments</p> <p>c) a continuous total length of 415 mm</p>	<p>a) Quantity : 2</p> <p>b) Quantity : 1</p> <p>c) Quantity : 1</p>
5.2.12	<p>Basic punch with a working length of 104.65 mm, a point angle of 85 degrees, a point radius of 0.8 mm and a maximum load of 100 T / m and a total width of 26 mm.</p>	<p>a) Quantity : 1</p>

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Number	Description	Quantity
	a) the length of the punch must have a minimum of 1828 mm and a maximum of 2085 mm. It can be segmented.	
5.2.13	Adjustable laser beam with a maximum thickness of 1 mm indicating the bending line inserted on the hand of the machine	Quantity : 1
5.2.14	Foot pedal for opening and closing the punch	Quantity : 1

5.3 DOCUMENTATION

Upon delivery of the equipment, the contractor must provide the programming, operations, maintenance, tooling, electrical circuits, spare parts and parameter adjustment manuals as well as the specification sheet inspection. Documentation must be provided in paper and electronic format, in French or English depending on availability. The contractor must also provide, as documentation, the USB key (s) for backing up and starting the equipment and any other documentation required to ensure proper operation.

5.4 START-UP

The contractor will start-up the press brake following installation. The exact start-up date will be coordinated with the Technical Authority, within a minimum of two weeks' notice.

Start-up at DRDC includes, but is not limited to:

- Lubrication if not done in the factory,
- Alignment of the mobile and stationary components of the machine to ensure the required precision,
- Inspection of hydraulic and electrical connections,
- Perform bending tests to ensure proper operation,
- Perform safety tests to ensure that safety devices are in service.

5.5 TRAINING

The contractor must provide training for a minimum of two days (at least 10 hours of training). The training must be given in French at DRDC - Valcartier Research Center. The exact date of the training will be coordinated with the Technical Authority, with a minimum of two weeks' notice. Training can start after start-up. (start-up is not part of the training.)

The number of training participants is set at a maximum of 3. The training must use the purchased press brake. Theoretical and practical training will demonstrate the capabilities of the press brake and explain its operation.

Theoretical and practical training will cover the following elements, without being limited to:

- Setting-up of the machine
- Possible configurations,
- Use, including without limitation programming and adjustment,

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- d) Safety concerns and preventive inspections,
- e) Preventive maintenance, regular maintenance.

5.6 TECHNICAL SUPPORT

The contractor must provide technical support for a minimum period of 1 year from the date of commissioning, in French or English, provided by a team with expertise in the maintenance and repair of similar equipment. . Technical support should include a hotline. The contractor must provide technical support, Monday to Friday, 9 a.m. to 4 p.m., with the exception of statutory holidays observed by the contractor.

5.6.1 Telephone support services:

The contractor will provide feedback on the requests within 2 working days.

This service includes:

- a) Determine the nature of the problem,
- b) Work in collaboration with DRDC to identify the problem,
- c) Manage the resolution of the problem when covered by the warranty.

6. DELIVERABLES

Number	Reference need	Description deliverables
6.1	5.1	Hydraulic press brake including the materials required for installation and for connection to the electrical panel, but not limited to.
6.2	5.2	Accessories and tools
6.3	5.3	Paper and electronic documentation (USB key)
6.4	5.4	Start-up
6.5	5.5	Training
6.6	5.6	Technical support

7. DELIVERY DATE

Deliverable 6.4: No later than four weeks following receipt of deliverables 6.1, 6.2 and 6.3

Deliverable 6.5: No later than four weeks following receipt of deliverables 6.1, 6.2 and 6.3

Deliverable 6.6: From the start date of deliverable 6.4 for a period of 12 months.

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8. LANGUAGE OF WORK

8.1 English or French.

8.2 On-site training must be exclusively in French.

9. DELIVERY ADDRESS

The Contractor must make delivery to the following address.

Defense Research and Development Canada - Valcartier Research Center
Building 53
2459 route de la Bravoure
Quebec, Qc
G3J 1X5
Canada

The Contractor must coordinate the exact date of delivery with the Technical Authority, with a minimum of 2 weeks' notice.

DRDC personnel will perform unloading and handling inside the building where the press brake will be installed. DRDC will use its equipment to perform the unloading.

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DELETE ENTIRELY:

ANNEX D - MANDATORY TECHNICAL CRITERIA

AND REPLACED BY:

ANNEX D - MANDATORY TECHNICAL CRITERIA

MANDATORY EVALUATION CRITERIA

Indicate in **your documentation or data sheets** where the following mandatory specifications are demonstrated:

The tenderer must clearly demonstrate, by submitting a technical data sheet or any other document that he meets each of the mandatory technical evaluation criteria mentioned below. Failure to do so will render the bid non-responsive.

	CRITERIA	Specify the location in the documentation or data sheets where the required specifications are demonstrated.
CO1	Tonnage : minimum 40 tons	
CO2	Available floor space, including panels (Length x width x height): maximum 130 inches X 100 inches X 100 inches	
CO3	Machine net weight: minimum 7000 pounds maximum 12,000	
CO4	Bending length: minimum 72 inches	
CO5	Ram stroke: minimum 6.25 inches	
CO6	Maximum opening (Day light): minimum 15 inches	
CO7	Back gauge stroke: minimum 29.5 inches	
CO8	Positioning and repeatability tolerance of axes Y1, Y2, X and R: maximum of plus or minus 0.002 of an inch	
CO9	Numerically controlled axes: minimum Y1, Y2, X and R	
CO10	Lowering the Ram with a repeat angle limit switch or with an encoder	
CO11	Minimum bending thickness - 44W 1/8 inch thick steel over 3 feet long minimum. -Stainless steel 1/8 inch thick over 3 feet long minimum. -Aluminum 5052-H32 3/16 inch thick over 6 feet long minimum	
CO12	Minimum electric motor capacity: 5 HP	

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ANNEX "G" COVID-19 VACCINATION REQUIREMENT CERTIFICATION

(to be completed by the bidder)

Certificates must be duly completed and provided with their bid

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 with Health Canada-approved COVID-19 vaccine(s); or
- (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;

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

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

Solicitation No. - N° de l'invitation
W7701-217322/A
Client Ref. No. - N° de réf. du client
W7701-217322

Amd. No. - N° de la modif.
003
File No. - N° du dossier
QCN-1-44021

Buyer ID - Id de l'acheteur
QCN043
CCC No./N° CCC - FMS No./N° VME

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.

All other terms and conditions remain unchanged.