



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Réception des soumissions - TPSGC / Bid
Receiving - PWGSC
1550 Avenue d'Estimauville
1550 D'Estimauville Avenue
Québec
Québec
G1J 0C7

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

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 Planetary Ball Mill	
Solicitation No. - N° de l'invitation W7701-176346/A	Date 2017-05-29
Client Reference No. - N° de référence du client W7701-176346	
GETS Reference No. - N° de référence de SEAG PW-\$QCW-029-17123	
File No. - N° de dossier QCW-6-39327 (029)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-07-10	Time Zone Fuseau horaire Heure Avancée de l'Est HAE
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: Laliberté Seyer, Arlow	Buyer Id - Id de l'acheteur qcw029
Telephone No. - N° de téléphone (418) 649-2824 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: RDDC-R et D Défense Canada-Valcartier DRDC - Defence R&D Canada-Valcartie BATISSE 53 2459 ROUTE DE LA BRAVOURE QUEBEC Québec G3J1X5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée Voir doc	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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Solicitation No. - N° de l'invitation
W7701-176346/A
Client Ref. No. - N° de réf. du client
W7701-176346

Amd. No. - N° de la modif.
File No. - N° du dossier
QCW-6-39327

Buyer ID - Id de l'acheteur
QCW029
CCC No./N° CCC - FMS No./N° VME

PART 1 - GENERAL INFORMATION

1.1 Requirement

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

1.2 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.

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/21>), are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

B1000T (2014-06-26) Condition of Material – Bid (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/B/B1000T/3>)
C9000T (2010-08-16) Pricing (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/C/C9000T/3>)

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 10 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 Quebec.

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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (1 hard copy)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

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

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

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

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

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

Section I: Technical Bid

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will meet these requirements. Bidders should fill out the table of selected minimum technical requirements and the table of point rated criteria (optional features) in "ANNEX C – TECHNICAL EVALUATION TABLES".

Section II: Financial Bid

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

3.1.1 Exchange Rate Fluctuation

[C3011T](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/C/C3011T/5) (2013-11-06) Exchange Rate Fluctuation (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/C/C3011T/5>)

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

Bidders must submit with their bid proofs of compliance. A proof of compliance is defined as a document, such as:

- a brochure;
- technical literature;
- a third party test report provided by a nationally and/or internationally recognized testing facility;
- a report generated by a nationally and/or internationally recognized third party software.

Canada will evaluate only the documentation provided with a bidder's bid. Canada will not evaluate information such as references to Web site addresses where additional information can be found, or technical manuals or brochures not submitted with the bid.

4.1.1.1 Selected Minimum Technical Requirements

Although the bidders must propose products that meet all the specifications described in Annex A - Requirement, at the closure date, bids will be evaluated on the mandatory technical requirements listed in the "TABLE OF SELECTED MINIMUM TECHNICAL REQUIREMENTS" in "ANNEX C –TECHNICAL EVALUATION TABLES".

A proof of compliance must provide detailed information on each selected minimum technical requirement.

The bidder must clearly demonstrate how the proposed equipment complies to each selected minimum technical requirement. Where it is necessary to refer to other documentation that is included in the proposal, bidders should include the precise location of the reference material including the title of the document, and the page and paragraph numbers. It is the bidder's responsibility to provide enough details to permit a complete evaluation.

Any proposal that does not clearly demonstrate compliance with each of the selected minimum technical requirement will be considered non-responsive.

4.1.1.2 Point Rated Criteria

Each bid meeting all of the selected minimum technical requirements will be evaluated and noted in accordance with the point rated criteria and detailed in the "TABLE OF POINT RATED CRITERIA (OPTIONAL ASSETS)" in "ANNEX C –TECHNICAL EVALUATION TABLES". Point rated criteria refer to optional features of the equipment, and therefore they are not mandatory.

A proof of compliance must provide detailed information on the selected point rated criteria.

To be deemed compliant with a point rated criteria, a bid must clearly demonstrate how the proposed equipment complies with the selected point rated criteria. Where it is necessary to refer to other documentation that is included in the proposal, bidders should include the precise location of the reference material including the title of the document, and the page and paragraph numbers. It is the bidder's responsibility to provide enough details to permit a complete evaluation.

4.1.2 Financial Evaluation

SACC Manual Clause [A0220T](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/A/A0220T/7) 2014-06-26, Evaluation of Price – Bid
(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/A/A0220T/7>).

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

Bidders must submit their financial bid in accordance with the Basis of Payment at Annex B-Basis of Payment.

4.2 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory requirements;
2. Bids not meeting (a) or (b) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 30 % for the technical merit and 70 % for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 30 %.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 70 %.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 30/70 ratio of technical merit and price, respectively. The total available points equals 20 and the lowest evaluated price is \$43,000 (45).

		Bidder # 1	Bidder # 2	Bidder # 3
Overall Technical Score		0/20	10/20	20/20
Bid Evaluated Price		43,000	49,450	65,550
Calculation	Technical Merit Score	0/20 X 30 = 0	10/20 X 30 = 15	20/20 X 30 = 30
	Pricing Score	43,000/43,000 X 70 = 70	43,000/49,450 X 70 = 60,87	43,000/65,550 X 70 = 45,92
Combined Rating		70	75,87	75,92
Overall Rating		3e	2e	1er

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

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

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](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969) website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969).

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.

5.2.3 Original Equipment Manufacturer Certification

Any Bidder that is not the Original Equipment Manufacturer (OEM) for every item of hardware proposed as part of its bid is required to submit the OEM's certification regarding the Bidder's authority to provide and maintain the OEM's hardware, which must be signed by the OEM (not the Bidder).

No Contract will be awarded to a Bidder who is not the OEM of the hardware it proposes to supply to Canada, unless the OEM certification has been provided to Canada. Bidders are requested to use the "ORIGINAL EQUIPMENT MANUFACTURER CERTIFICATION FORM" in Annex D. Although all the contents of the OEM Certification Form are required, using the form itself to provide this information is not mandatory. For Bidders/OEMs who use an alternate form, it is in Canada's sole discretion to determine whether all the required information has been provided. Alterations to the statements in the form may result in the bid being declared non-responsive.

If the hardware proposed by the Bidder originates with multiple OEMs, a separate OEM certification is required from each OEM.

For the purposes of this bid solicitation, EOM means the manufacturer of the hardware, as evidenced by the name appearing on the hardware and on all accompanying documentation.

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

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

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the contract is the contract award date, until the ending date of the warranty, inclusively.

6.4.2 Delivery Date

All the deliverables must be received no later than 10 weeks after contract award.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Arlow Laliberté Seyer
Title: Procurement Officer
Public Works and Government Services Canada
Acquisitions Branch
Address: 1550, Avenue d'Estimauville, Québec, QC G1J 0C7
Telephone: 418-649-2824
Facsimile: 418-648-2209
E-mail address: arlow.laliberteseyer@tpsgc-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 Technical Authority

The Project Authority for the Contract is:

(Will be completed by Canada at the time of 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

General enquiries:

Name: _____
Title: _____
Address: _____
Telephone: _____
Facsimile: _____
E-mail address: _____

Delivery follow-up:

Name: _____
Title: _____
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 in Annex B, for a cost of \$ _____ CAD (insert the amount 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 Single Payment

[H1000C](#) (2008-05-12) Single Payment

6.7 Invoicing Instructions

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

6.8 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 Quebec.

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 general conditions 2010A (04-04-2016), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Technical Evaluation Tables;
- (f) Annex D, Original Equipment Manufacturer (OEM) Certification Form; and
- (g) the Contractor's bid dated _____

6.11 Shipping Instructions - Delivery at Destination

Goods must be consigned to the destination specified in the Contract and delivered Delivered Duty Paid (DDP): DRDC-Defence R & D Canada-Valcartier, Bâtisse 53, 2459, route de la Bravoure, Québec, QC G3J 1X5, Canada, Incoterms 2000 for shipments from a commercial contractor.

6.12 Inspection and Acceptance

The Technical 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 SACC Manual Clauses

[Excess Goods \(2006-06-16\) B7500C](#)
[Insurance \(2008-05-12\) G1005C](#)

ANNEX A - REQUIREMENT

**Note: At contract award, this section will be adjusted according to the winning bidder proposition. Only the deliverables proposed by the winning bidder will be kept in the final contract*

1. TITLE

Purchase of a planetary ball mill

2. BACKGROUND

DRDC-Valcartier Research Centre wishes to purchase a mill to grind small quantities of powder, rock, minerals, and other substances of varying hardness on a laboratory (not industrial) scale for research and development studies. The mill must be able to grind down to a particle size in the micrometre and ideally in the nanometre range. DRDC-Valcartier Research Centre also wishes to use the planetary ball mill to conduct mechanosynthesis studies, the purpose of which is to produce metal alloys following a high-energy mechanical reaction during milling.

3. ACRONYMS

DRDC	Defence Research and Development Canada
SOR	Statement of requirement
HEPA	High-efficiency particulate arrestance
TA	Technical authority

4. REQUIREMENTS

The contractor shall supply the goods listed in section 6 (Deliverables) in accordance with the stated criteria.

5. DELIVERABLES

5.1 Planetary ball mill

Quantity required: 1

The contractor shall supply the item in accordance with the specifications listed in the "TABLE OF MINIMUM TECHNICAL REQUIREMENTS, REQUIREMENT 5.1". The item should meet the optional features listed in the "TABLE OF OPTIONAL FEATURES, REQUIREMENT 5.1".

TABLE OF MINIMUM TECHNICAL REQUIREMENTS, REQUIREMENT 5.1
Planetary ball mill meeting the following criteria:
5.1.1 Must be a planetary ball mill.
5.1.2 Must be suitable for laboratory-scale use, meaning it must fit under a HEPA-filtered laboratory fume hood that is 34.7" wide by 23.4" deep by 22.6" high.
5.1.3 Must be suitable for wet and dry grinding of inorganic and organic samples.
5.1.4 Must be able to grind down to a final particle size of 1 micrometre.
5.1.5 Must be able to grind in an inert gas atmosphere.

TABLE OF OPTIONAL FEATURES, REQUIREMENT 5.1:
- The mill is able to grind down to a final powder with a particle size in the nanometre range (<0.1 micron).
- The mill is able to grind two samples simultaneously.
- The mill is equipped with a pressure and temperature measuring system to control the course of a mechanosynthesis reaction for mechanical alloy formation.
- For hard materials, the mill is able to grind pieces with an initial size of 5 mm or larger.

5.2 Accessories

The contractor shall supply the accessories described in the "TABLE OF ACCESSORIES, REQUIREMENT 5.2". The proposed accessories shall be in accordance with the specifications listed in the "TABLE OF ACCESSORIES, REQUIREMENT 5.2". The proposed accessories shall be designed to be used with item 5.1.

TABLE OF ACCESSORIES, REQUIREMENT 5.2	
	Quantity Required
5.2.1 Tungsten carbide mill bowl. The bowl must be suitable for grinding small quantities (up to 1 g of solids).	1
5.2.2 Tungsten carbide mill bowl. The bowl must be suitable for grinding larger quantities (up to 40 to 50 g of solids).	1
5.2.3 Tungsten carbide grinding balls. The balls must be suitable for obtaining a powder with a particle size between 1 mm and 5 mm.	The number of balls will be determined by the company. The number of balls must be appropriate for obtaining the target particle size based on the size of the balls.
5.2.4 Tungsten carbide grinding balls. The balls must be suitable for obtaining a powder with a particle size between 0.1 mm and 0.5 mm.	
5.2.5 Tungsten carbide grinding balls. The balls must be suitable for obtaining a powder with a particle size smaller than 100 micrometres.	
5.2.6 Tungsten carbide grinding balls. The balls must be suitable for obtaining a powder with a particle size smaller than 10 micrometres.	
5.2.7 System for separating a suspended sample for a wet grinding.	1
5.2.8 <i>*If the mill can grind two or more samples:</i> a counterweight to allow for simultaneous grinding of two or more samples.	1

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Amd. No. - N° de la modif.
File No. - N° du dossier
QCW-6-39327

Buyer ID - Id de l'acheteur
QCW029
CCC No./N° CCC - FMS No./N° VME

ANNEX B – BASIS OF PAYMENT

Item	Description	Quantity	Unit price	Extended price
1	Planetary ball mill, in accordance with the technical specifications listed in section "5.1 Planetary ball mill" of Annex A.	1	_____ \$	_____ \$
2	All accessories listed in section "5.2 Accessories" of Annex A. The accessories must meet the technical specifications listed in section "5.2 Accessories" of Annex A.	1	_____ \$	_____ \$
3	Delivery: DDP DRDC-Defence R & D Canada-Valcartier, Bâtisse 53, 2459, route de la Bravoure, Québec, QC G3J 1X5, Canada, Incoterms 2000 for shipments from a commercial contractor	1	_____ \$	_____ \$
CONTRACT PROPOSAL EVALUATION COST – TOTAL (EXCLUDING APPLICABLE TAXES)				_____ \$
<i>Firm prices, all inclusive, DDP destination. Prices include Canadian customs duties and Applicable Taxes extra.</i>				
<i>Bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes and the subsequent Contract award. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.</i>				
<i>The price of the subsequent contract will be in Canadian dollars.</i>				

ANNEX C – TECHNICAL EVALUATION TABLES

1. Table of Selected Minimum Technical Requirements

TABLE OF SELECTED MINIMUM TECHNICAL REQUIREMENTS		
No.	Description	Reference
5.1.1	Must be a planetary ball mill	
5.1.2	Must be suitable for laboratory-scale use, meaning it must fit under a HEPA-filtered laboratory fume hood that is 34.7" wide by 23.4" deep by 22.6" high	
5.1.4	Must be able to grind down to a final particle size of 1 micrometre	
5.1.5	Must be able to grind in an inert gas atmosphere	
5.2.1	Tungsten carbide mill bowl. The bowl must be suitable for grinding small quantities (up to 1 g of solids)	
5.2.2	Tungsten carbide mill bowl. The bowl must be suitable for grinding larger quantities (up to 40 to 50 g of solids)	

2. Table of Point Rated Criteria (Optional Features)

Point rated criteria will be assessed on a "compliant / non-compliant" basis. If the proposed equipment meets a point rated criteria, all points for this criteria shall be granted; if the proposed equipment does not meet or does not completely meet a point rated criteria, no points for this criteria shall be granted.

TABLE OF POINT RATED CRITERIA (OPTIONAL FEATURES)			
No.	Description	Points granted if the criteria is met	Référence
#1	The mill is able to grind down to a final powder with a particle size in the nanometre range (<0.1 micron)	10	
#2	The mill is able to grind two samples simultaneously	5	
#3	The mill is equipped with a pressure and temperature measuring system to control the course of a mechanosynthesis reaction for mechanical alloy formation	2,5	
#4	For hard materials, the mill is able to grind pieces with an initial size of 5 mm or larger	2,5	

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ANNEX D – ORIGINAL EQUIPMENT MANUFACTURER (OEM) CERTIFICATION FORM**ORIGINAL EQUIPMENT MANUFACTURER (OEM) CERTIFICATION FORM**

This confirms that the original equipment manufacturer (OEM) identified below has authorized the Bidder named below to provide and maintain its products under any contract resulting from the bid solicitation identified below.

Name of OEM: _____

Signature of authorized signatory of OEM: _____

Print Name of authorized signatory of OEM: _____

Print Title of authorized signatory of OEM: _____

Address for authorized signatory of OEM: _____

Telephone no. for authorized signatory of OEM: _____

Email address for authorized signatory of OEM: _____

Date signed: _____

Solicitation Number: _____

Name of Bidder: _____