



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC**

**11 Laurier St./11, rue Laurier**

**Place du Portage, Phase III**

**Core 0B2 / Noyau 0B2**

**Gatineau**

**Québec**

**K1A 0S5**

**Bid Fax: (819) 997-9776**

**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**

**Armoured Vehicles Support/Soutien des véhicules  
blindés**

**11 Laurier St./11, rue Laurier**

**Place du Portage Phase III 6C1**

**Gatineau**

**Québec**

**K1A 0S5**

<b>Title - Sujet</b> R&O and upgrade LEO 2 (ARV,AEV,TMI)	
<b>Solicitation No. - N° de l'invitation</b> W8486-184490/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> 6000413471	<b>Date</b> 2018-08-29
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$BL-303-26846	
<b>File No. - N° de dossier</b> 303bl.W8486-184490	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-09-07</b>	<b>Time Zone Fuseau horaire Eastern Daylight Saving Time EDT</b>
<b>F.O.B. - F.A.B.</b>	
<b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Ruest(bl div), Luc	<b>Buyer Id - Id de l'acheteur</b> 303bl
<b>Telephone No. - N° de téléphone</b> (873) 469-4777 ( )	<b>FAX No. - N° de FAX</b> (819) 956-0648
<b>Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur</b>	
<b>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)</b>	
<b>Signature</b>	<b>Date</b>

## AMENDMENT 005

This Solicitation amendment (**005**) is raised to provide clarifications sought by Industry, and provide a revised Appendix 1 to Annex G (excel workbook) on [BuyandSell.gc.ca](http://BuyandSell.gc.ca) website.

### 1. Questions and Answers:

**Question 10:** With the response from the designated NATO Support and Procurement Agency (NSPA) OEM, Industry was informed that the solicitation's TAT conditions do not reflect an accurate turnaround times required. The foreign "Do not exceed" TAT would not cover the TAT that is necessary to repair the line item. In order to get to a realistic TAT, Industry herewith request to Canada to adjust the following Line items as per following data:

	LINE ITEM	NSN	Description	PROPOSED TAT IN DAYS
	<b>REPAIR AND OVERHAUL</b>			
<b>1</b>	<b>9</b>	5995991553152	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL	170
<b>2</b>	<b>18</b>	2510993929487	FRAME SECTION STRUCTURAL VEHICULAR	170
<b>3</b>	<b>41</b>	2590991869860	DISPENSER LANE MARK	198
<b>4</b>	<b>42</b>	2590992509931	HIGH LIFT CYLINDER	170
<b>5</b>	<b>43</b>	2590994231590	COMPRESSOR ASSEMBLY	170
<b>6</b>	<b>44</b>	2590994643512	ADAPTOR TINE	170
<b>7</b>	<b>45</b>	2590995913582	SKID	170
<b>8</b>	<b>46</b>	2590996137532	MANIFOLD ASSEMBLY HYDRAULIC	142
<b>9</b>	<b>47</b>	2590998190773	BOOM	170
<b>10</b>	<b>48</b>	2590999587248	EXTENSION BLADE	170
<b>11</b>	<b>50</b>	2590999685173	JETTISON CYLINDER S	170
<b>12</b>	<b>51</b>	2590999921702	EXTENSION BLADE	170
<b>13</b>	<b>69</b>	3040994905161	CYLINDER ASSEMBLY ACTUATING LINEAR	170

14	70	3040995515161	CYLINDER ASSEMBLY ACTUATING LINEAR	170
15	71	3040998188974	CYLINDER ASSEMBLY ACTUATING LINEAR	170
16	72	3040999809188	CYLINDER ASSEMBLY ACTUATING LINEAR	170
17	73	3040999952066	CYLINDER ASSEMBLY ACTUATING LINEAR	170
18	115	4330994431283	POWER PACK HYDRAULIC	170
19	119	4730993225778	MANIFOLD ASSEMBLY HYDRAULIC	142
20	142	5895997270513	SELECTOR CONTROL SUBASSEMBLY	394
21	143	5895998365602	SELECTOR CONTROL SUBASSEMBLY	394
22	146	5950996156008	COIL ELECTRICAL	394
23	149	5980998427362	CONTROL-DISPLAY OPTOELECTRONIC	170
24	157	6110994832229	DISTRIBUTION BOX	394
25	158	6110999891390	PROTECTION BOX	394
26	168	6150993912441	WIRING HARNESS	170
27	169	6150996669031	WIRING HARNESS BRANCHED	170
28	289	2590995034049	BLADE, MINE CLEARING	170
29	290	2590996684459	BLADE, MINE CLEARING	170
30	291	2510999406655	OMS DEPLOYMENT FRAM	170

**Answer 10:** Canada agrees and made changes accordingly in Table 4 – Point Rated-Delivery, which is part of Annex G - Evaluation Plan Appendix 1 – Microsoft Excel workbook.

**Question 11:** At Appendix 1 to Annex A and Table 1 of Annex C Industry was told by the OEM that the following two line items, “due to the unavailability of the original connectors, along with the high likelihood that cables and connections within these two harnesses will no longer be sound, refurbishing them is not an option”:

277	6150-21-905-2028	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL BRANCHED
278	6150-21-905-2029	WIRING HARNESS

Therefore, can Canada makes a modification to remove these 2 parts from the list in the next Amendment?

**Answer 11:** Canada's provides the following clarifications:

Delete Line Item numbers 277 and 278 from Appendix 1 to Annex A, as well as from Table 1 of Annex C.

**Question 12:** At Appendix 1 to Annex A and Table 1 of Annex C please see the OEM comments concerning the following 2 Line Items:

1) **LI # 21      2530-12-371-4186      PAD TRACK SHOE**

It has been deem not economically feasible to refurbish such material as the expenses for transport, inspection just for recovering the plates – presupposed they can be reused – are higher than using new plates.

2) **LI# 22      2530-12-401-4164      TRACK SHOE VEHICULAR**

This track type is used for the Leopard 2 ARV variant with an extreme high vehicle weight. Due to the high loads the track off new production already has a mileage limitation of 4.000 km.

A refurbishment / overhaul of this track type is for safety reasons strictly forbidden. The track with all its components (track body, pins, connecting parts) are not designed for being refurbished and might crack exceeding the above stated lifetime. This leads to an opening of the track during operation and fatal accidents.

**Answer 12:** Canada's provides the following clarifications:

Delete Line Item numbers 21 and 22 from Appendix 1 to Annex A, as well as from Table 1 of Annex C.

**Question 13:** Part 3 – Bid Preparation Instructions

At Section 3.1, it states that if the Bidder chooses to submit its bid electronically, the bid must be separated in Section I to IV (Additional Information being Section IV where no further instructions are provided on its content).

If the Bidder chooses to submit its bid in hard copies, the bid must be separated in Section I to III (no Additional Information Section).

Industry request Canada provide the appropriate information?

**Answer 13:** Canada confirms Section IV: Additional Information must be submitted for bids provided electronically or in hard copies.

**Question 14:** Part 3 – Bid Preparation Instructions

In the description of Sections I to III, there is no reference made to Part 6 of the RFP, so can Industry conclude that none of the documents of Part 6 needs to be included with the bid? Industry request Canada modify paragraph 6.5 that states: "The Bidder must submit a Quality Plan with the bid".

**Answer 14:** Canada confirms none of the documents of Part 6 need to be part of the bid, however Canada may request any of these documents after Contract Award.

The following clauses are modified in this RFP amendment.

**At Part 6 – Security, Financial and other Requirements:  
Delete article 6.5 Quality Control Plan in its entirety;  
Insert article 6.5 Quality Control Plan as follows:**

The Bidder **should** submit a Quality Plan with the bid. The Quality Plan must be in the same format that will be used after award of contract.

The Quality Plan may reference other documents. Where referenced documents do not already exist, but are required by the Quality Plan, the plan must identify them and also identify when, how and by whom they will be prepared and approved. The documents referenced in the Quality Plan must be made available when requested by Public Services and Procurement Canada or the Department of National Defence.

**At Part 7 – RESULTING CONTRACT CLAUSES:  
Add article 7.23.1 Quality Plan as follows:**

No later than 30 days after the effective date of the Contract, the Contractor must submit for acceptance by the Department of National Defence (DND) a Quality Plan prepared according to the latest issue (at contract date) of ISO 10005:2005 "Quality management systems - Guidelines for quality plans". The Quality Plan must describe how the Contractor will conform to the specified quality requirements of the Contract and specify how the required quality activities are to be carried out, including quality assurance of subcontractors. The Contractor must include a traceability matrix from the elements of the specified quality requirements to the corresponding paragraphs in the Quality Plan.

The documents referenced in the Quality Plan must be made available when requested by Public Services and Procurement Canada or DND.

If the Quality Plan was submitted as part of the bidding process, the Contractor must review and, where appropriate, revise the submitted plan to reflect any changes in requirements or planning which may have occurred as a result of pre-contract negotiations.

Upon acceptance of the Quality Plan by DND, the Contractor must implement the Quality Plan. The Contractor must make appropriate amendments to the Quality Plan throughout the term of the contract to reflect current and planned quality activities. Amendments to the Quality Plan must be acceptable to DND.

If the Contract includes the option for software design, development or maintenance of software, the Contractor must interpret the requirements of ISO 9001:2008 "Quality management systems - Requirements", according to the guidelines of the latest issue (at

contract date) of ISO/IEC 90003:2004 "Software engineering - Guidelines for the application of ISO 9001:2000 to computer software".

**Question 15:** Annex A (Statement of Work) Section 3.2.3

**DDIR:** the 45 days to submit a DDIR if it exceed the MRC is the same for all companies; for a Canadian base company, the R&O items may be shipped first to OEM before an evaluation can be done. In this case, the 45 days should be increased by at least 15 days to be fair (assuming that the extra 30 days of TAT is 15 days for shipping and 15 days for receiving).

Industry would request Canada to revise the submission period of a DDIR for items exceeding the MRC to be within 60 days after receipt of the item for Canadian base companies.

**Answer 15:** Canada is aware of Industry concerns that shipping could create a disadvantage for a Canadian-based Company in terms of timeline for Line items needing to be shipped at a Foreign-based subcontractor's facility. (Should the work not be performed in Canada).

The 45 calendar day period established by Canada to submit a DDIR for any Line Items exceeding the MRC should be considered achievable by all Industry.

In the event that the contractor has no capability to assess Detailed Damage Inspection of a component and must ship to any of its sub-contractors, Canada believe that using an average shipment time of 15 days; the consignee would still have up to 30 days to complete the inspection and submit the DDIR accordingly.

Canada is required under the trade agreements to treat all suppliers equally and to ensure that the procurement is conducted in a non-discriminatory manner. As such, any unfair advantage provided by the solicitation this would constitute a violation of the trade agreements.

Canada considers the 45 calendar day period remain fair and reasonable for all Industry.

**Question 16:** Annex C (Basis of Payment) article 2 (Laid Down Cost for Contractor Furnished Materials)

**New definition of Laid Down Cost:** For Foreign base companies (in particular for the OEMs of the Line Items listed in the RFP), Canada is paying for transportation of the components to their receiving dock back and forth. With the new definition of LDC that excludes these transportations costs, the only way for a Canadian base company to recover these costs is to add them in the bid to the R&O Proposed Firm hourly Rates of Annex G. This reduce the competitive advantage since in one case (for Foreign base companies) Canada is paying for the Transportation cost and in the other case (for Canadian base companies) these costs must be assumed by the Company. Can Canada take into consideration that transportation cost is a laid down cost? By doing so Canadian or foreign companies would be evaluated on the same basis.

**Answer 16:** Canada acknowledges industry's concern that there are no provisions for the shipping cost for this requirement.

Freight cost for shipping any Line Item for the repair and overhaul to a sub-contractor and back to the contractor's plant whether Foreign or Canadian based is not and was never included in the LDC.

Canada is aware that DND's inbound logistic is responsible for the coordination and payment associated with the shipment of the goods from the Contractor's facility to DND's facility.

Canada's view on the shipping instructions set out in the solicitation are not discriminatory. In fact, all suppliers are treated equally since in all cases the shipment of the goods from the Contractor's facility to DND's facility is handled by the inbound logistic coordination centre, notwithstanding the location of the Contractor's facility.

In the case at hand, the fact that the work must be performed by an OEM and that a Canadian-based supplier must absorb the shipping cost to and from the OEM in order to respond to the solicitation is not an unfair advantage created by the solicitation, but a normal commercial circumstance.

Canada is neither required nor expected to eliminate or compensate for existing commercial advantages nor is it required to compromise its legitimate operational requirements in order to accommodate suppliers.

Unfortunately, for these reasons stated above, Industry is advised that as such, Canada is not required to amend the solicitation to comply with Industry's concerns regarding the shipping costs. Moreover, this approach is in accordance with the applicable trade agreements for this requirement and Canada remains convinced that approach will provide the best value for Canada.

## **2. At Part 2 – BIDDER INSTRUCTIONS**

Delete Part 2 – BIDDER INSTRUCTIONS in its entirety;  
Insert Part 2 – BIDDER INSTRUCTIONS\_AMD005, attached hereto of this Solicitation amendment.

## **3. At Part 7 - article 7.26 - Shipping Instructions (Department of National Defence) - Canadian-based Contractor**

Delete sub-article 7.26.2 in its entirety;

Insert sub-article 7.26.2 as follows:

7.26.2 Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph **7.26.3**.

## **4. At Part 7 - article 7.26 - Shipping Instructions (Department of National Defence) - Foreign-based Contractors**

Delete sub-articles 7.26.1 and 7.26.2, in its entirety;

Insert sub-articles 7.26.1 and 7.26.2, in its entirety:

7.26.1 Delivery will be FCA Free Carrier **at Contractor's facility**, Incoterms 2000. The Contractor must load the goods onto the carrier designated by the Department of National Defence (DND). Onward shipment from the delivery point to the consignee will be Canada's responsibility

7.26.2 Before shipping the goods, the Contractor must contact the following DND Inbound Logistics Coordination Center by facsimile or e-mail, to arrange for shipment, and provide the information detailed at paragraph **7.26.3**.

#### **5. Annex C – Basis of Payment**

Insert a revised version of Annex C – Basis of Payment, attached hereto of this Solicitation amendment.

The version attached hereto supersedes any previous version(s) of Annex C – Basis of Payment.

#### **6. Appendix 1 to Annex G – Excel Workbook**

Provide a revised version of Appendix 1 to Annex G under **Attachments** at the BuyandSell.gc.ca website.

The version Appendix 1 to Annex G\_v3 supersedes any previous version(s) of Appendix 1 to Annex G.

**ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED**



## **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) (<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](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 120 days

#### **2.1.1 SACC Manual Clauses**

A9130T 2014/11/27 Controlled Goods Program - Bid  
C3011T 2013/11/06 Exchange Rate Fluctuation

### **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 in the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile 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 fifteen (15) 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, Canada.

Solicitation No. - N° de l'invitation  
W8486-184490/A  
Client Ref. No. - N° de réf. du client  
W8486-184490

Amd. No. - N° de la modif.  
005  
File No. - N° du dossier  
303BLW8486-184490

Buyer ID - Id de l'acheteur  
303BL  
CCC No./N° CCC - FMS No./N° VME

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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.

**Annex C**

**Basis of Payment (v3)**

**For the Repair & Overhaul and Upgrade Of the Leopard 2**

**Armoured Recovery Vehicle Canadian (ARV)**

**Armoured Engineer Vehicle (AEV), and**

**Tactical Mobility Implements (TMI)**

**Unique Components**

**W8486-184490**

**CLIN 001 REPAIR AND OVERHAUL AND UPGRADE SERVICES FOR THE LEOPARD 2 ARMoured RECOVERY VEHICLE CANADIAN (LEO 2 ARV CAN), ARMoured ENGINEER VEHICLE (AEV) AND TACTICAL MOBILITY IMPLEMENTS (TMI) COMPONENTS**

The contractor will be paid for (1) direct all-inclusive firm hourly blended labour rates, (2) Laid Down Cost of material furnished and the (3) all-inclusive material mark-up up to the Maximum Repair Cost (MRC) or higher if approved by Canada. This will be established for each line item for the Repair and Overhaul services for the Leopard 2 Armoured Recovery Vehicle Canadian (Leo 2 ARV CAN), Armoured Engineer Vehicle (AEV) and Tactical Mobility Implements (TMI) components in accordance with Annexes A and B of the contract.

**1) Firm Hourly Blended Direct Labour Rate:**

The inclusive R&O and upgrade firm hourly blended direct labour rate includes all direct labour required by the Contractor and its subcontractors to perform Repair and Overhaul and upgrade services. If applicable, the firm hourly rates of the Contractor must include all subcontractors' costs.

**2) Laid Down Cost for Contractor Furnished Materials**

**LDC** is defined as "The cost incurred by a supplier to acquire a specific part(s) to complete the repair and/or upgrade of the items listed in Appendix 1, to Annex A –Candidates List. This includes the supplier's invoice price (less trade discount), plus any applicable charges for incoming transportation, excluding transportation from the Contractor to OEM or any of its sub-contractors, foreign exchange and brokerage, but excludes Canadian Customs Duty and the applicable Taxes.

**3) Contractor Furnished Materials Mark-up**

The Contractor Furnished Materials Mark-up includes but is not limited to the Original Equipment Manufacturer (OEM) parts or acceptable substitutes and packaging material.

***CLIN 001 – R&O and Upgrade Firm Hourly Blended Direct Labour Rate and Firm Material Furnished Mark-Up Rates (inclusive of profit)***

	Contract Award Year 1	Year 2	Year 3	Option year 1
<i>R&amp;O and Upgrade Firm Hourly Blended Direct Labour Rate</i>				
<i>% Firm Furnished Material Mark-up</i>				

**Delivery – Firm Turn-Around-Time (TAT)**

For CLIN 001, the Contractor must comply with the proposed firm Turn-Around-Time (TAT) at table 1 below

**Table 1**

LINE ITEM	Description	NSN	Turn Around Time (TAT) (Number of Days)
1	ARM ASSEMBLY,PIVOT,TRACK SUSPENSION (LEFT SIDE)	2530121938881 Upgrade to NSN 2530-12-343-0287	
2	ARM ASSEMBLY,PIVOT,TRACK SUSPENSION (RIGHT SIDE)	2530121938882 Upgrade to NSN 2530-12-343-0288	

Annex C  
Basis of Payment  
W8486-184490

LINE ITEM	Description	NSN	Turn Around Time (TAT) (Number of Days)
3	SUPPORT ARM LEFT AND RIGHT (AEV)	2530121938880 Upgrade to NSN 2530-12-343- 0286	
4	PERISCOPE ARMORED VEHICLE	1240124022345	
5	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2541124061636	
6	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2541124061658	
7	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2541124061725	
8	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2541124061922	
9	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL	5995991553152	
10	AMPLIFIER-CONTROL MAGNETIC SIGNAL MINE CLEARANCE SYSTEM	5895124023674	
11	HEAD ASSEMBLY TANK PERISCOPE	1240124022970	
12	STEERER JOYSTICK	2050124012859	
13	STEERER JOYSTICK	2050124012860	
14	PANEL VEHICULAR OPERATION	2510124011778	
15	RING ASSEMBLY TURRET ROTATION	2510124014129	
16	FRAME SECTION STRUCTURAL VEHICULAR	2510124015147	
17	FLAP VENTILATING	2510124021905	
18	FRAME SECTION STRUCTURAL VEHICULAR	2510993929487	
19	FINAL DRIVE VEHICULAR	2520124011828	
20	COOLER FLUID TRANSMISSION	2520124014445	
21	<del>PAD TRACK SHOE</del>	<del>2530123714186</del>	
22	<del>TRACK SHOE VEHICULAR</del>	<del>2530124014164</del>	
23	SEAT VEHICULAR	2540124011820	
24	SUPPORT SEAT VEHICULAR	2540124011829	
25	CONTROL BOX ELECTRICAL-ELECTRONIC VEHICULAR AIR TEMPERATURE	2540124015726	
26	CONTROL BOX ELECTRICAL-ELECTRONIC VEHICULAR AIR TEMPERATURE	2540124016053	
27	CONTROL BOX ARMORE	2540124016798	
28	MOTOR HYDRAULIC	2540124021538	
29	BRACKET ELECTRICAL	2540124021562	
30	MOTOR HYDRAULIC	2540124021607	
31	MOTOR HYDRAULIC	2540124021702	
32	TANK (1) WATER VE	2540124021909	
33	VALVE BLOCK	2590121455816	
34	SPANNVORRICHTUNG S	2590121489441	
35	BLADE BULLDOZER EARTH MOVING	2590124014148	
36	WINCH DRUM VEHICLE MOUNTING	2590124014151	
37	WINCH DRUM VEHICLE MOUNTING	2590124014268	
38	WINCH DRUM VEHICLE MOUNTING	2590124015730	

Annex C  
Basis of Payment  
W8486-184490

<b>LINE ITEM</b>	<b>Description</b>	<b>NSN</b>	<b>Turn Around Time (TAT) (Number of Days)</b>
39	TANK OIL HYDRAULIC SYSTEM	2590124016699	
40	HYDRAULIC SYSTEM V	2590124021537	
41	DISPENSER LANE MARK	2590991869860	
42	HIGH LIFT CYLINDER	2590992509931	
43	COMPRESSOR ASSEMBLY	2590994231590	
44	ADAPTOR TINE	2590994643512	
45	SKID	2590995913582	
46	MANIFOLD ASSEMBLY HYDRAULIC	2590996137532	
47	BOOM	2590998190773	
48	EXTENSION BLADE	2590999587248	
49	PANEL CONTROL ELECTRICAL-ELECTRONIC EQUIPMENT	2590999591364	
50	JETTISON CYLINDER S	2590999685173	
51	EXTENSION BLADE	2590999921702	
52	ACTUATOR ELECTRO-MECHANICAL ROTARY	2910123859572	
53	ACTUATOR ELECTRO-MECHANICAL LINEAR	3010124011166	
54	DRIVE UNIT ANGLE	3010124015151	
55	TRANSMISSION MECHANICAL NONVEHICULAR	3010124016034	
56	TRANSMISSION MECHANICAL NONVEHICULAR	3010124021484	
57	TRANSMISSION MECHANICAL NONVEHICULAR	3010124021592	
58	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015154	
59	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015217	
60	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015219	
61	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015426	
62	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015922	
63	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015924	
64	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124015925	
65	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124020466	
66	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124020469	
67	CALIPER ASSEMBLY DISC BRAKE	3040124021208	
68	CYLINDER ASSEMBLY ACTUATING LINEAR	3040124039275	
69	CYLINDER ASSEMBLY ACTUATING LINEAR	3040994905161	
70	CYLINDER ASSEMBLY ACTUATING LINEAR	3040995515161	
71	CYLINDER ASSEMBLY ACTUATING LINEAR	3040998188974	
72	CYLINDER ASSEMBLY ACTUATING LINEAR	3040999809188	
73	CYLINDER ASSEMBLY ACTUATING LINEAR	3040999952066	
74	WELDING MACHINE ARC	3431580009376	
75	HITCH EARTH MOVING	3805124014864	
76	CRANE-SHOVEL BASIC UNIT CRAWLER MOUNTED	3810124022960	
77	MARKER TRAFFIC LINE	3825124014553	
78	HITCH TRUCK AND TRACTOR MOUNTING ATTACHMENT	3830124014552	

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<b>LINE ITEM</b>	<b>Description</b>	<b>NSN</b>	<b>Turn Around Time (TAT) (Number of Days)</b>
79	BOOM SECTION BACKHOE	3830124015229	
80	ADJUSTING DEVICE R	3830124015725	
81	BOOM SECTION BACKHOE	3830124015915	
82	BOOM SECTION BACKHOE	3830124016039	
83	BUCKET SCOOP TYPE LOADER	3830124025162	
84	SLING BEAM TYPE	3940124009726	
85	SLING MULTIPLE LEG	3940124009728	
86	ADAPTER HOISTING	3940124009909	
87	ADAPTER HOISTING	3940124009911	
88	ADAPTER HOISTING	3940124009912	
89	SLING MULTIPLE LEG	3940124012376	
90	BLOCK TACKLE	3940124016044	
91	SLING MULTIPLE LEG	3940124020075	
92	BEAM HOISTING	3940124025677	
93	WINCH DRUM POWER OPERATED	3950124015102	
94	COLD CHEST	4110124027088	
95	REFRIGERATION UNIT MECHANICAL	4110200087215	
96	AIR CONDITIONER	4120124019953	
97	CONDENSING UNIT REFRIGERATING	4130124019785	
98	DRIVE ASSEMBLY COM	4130124019811	
99	FAN VANEAXIAL	4140124019824	
100	FAN CENTRIFUGAL	4140124019878	
101	FAN VENTILATING	4140124021656	
102	TEST SOCKET FIRE EXTINGUISHING AND DETECTION SYSTEM	4210123739188	
103	EXTINGUISHER FIRE	4210124016095	
104	EXTINGUISHER FIRE	4210124016097	
105	EXTINGUISHER FIRE	4210124019731	
106	COMPRESSOR UNIT ROTARY	4310124030465	
107	MOTOR HYDRAULIC	4320123459406	
108	PUMP HYDRAULIC	4320124013365	
109	PUMP UNIT HYDRAULIC	4320124023887	
110	PUMP HYDRAULIC	4320124024408	
111	PUMP HYDRAULIC	4320124024695	
112	PUMP UNIT ROTARY	4320124024782	
113	PUMP HYDRAULIC	4320124024855	
114	MOTOR HYDRAULIC	4320124036912	
115	POWER PACK HYDRAULIC	4330994431283	
116	CONNECTOR MULTIPLE FLUID PRESSURE LINE	4730124016365	
117	COUPLING ASSEMBLY HOSE	4730124020240	
118	COUPLING ASSEMBLY HOSE	4730124020241	

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<b>LINE ITEM</b>	<b>Description</b>	<b>NSN</b>	<b>Turn Around Time (TAT) (Number of Days)</b>
119	MANIFOLD ASSEMBLY HYDRAULIC	4730993225778	
120	VALVE ASSEMBLY	4810124018031	
121	VALVE FLOW CONTROL	4810124018956	
122	VALVE ASSEMBLY MANIFOLD	4820124017128	
123	VALVE ASSEMBLY MANIFOLD	4820124019842	
124	VALVE SHUTTLE	4820150149950	
125	INSTALLATION AND REMOVAL TOOL VEHICLE SUSPENSION	4910124010295	
126	STAND MAINTENANCE ARMORED VEHICLE TURRET	4910124012201	
127	TEST SET HYDRAULIC SYSTEM COMPONENTS	4910124012210	
128	STAND ASSEMBLY MAI	4910124013061	
129	TEST STAND HYDRAULIC SYSTEM COMPONENTS	4910124014509	
130	TEST BOX LANE MARKE	4910999836885	
131	TEST STAND HYDRAULIC SYSTEM COMPONENTS	4940123999275	
132	TEST SET ELECTRONI	4940124011624	
133	TEST STAND MINE PLO	4940995144769	
134	TEST BOX COMPRESSOR	4940999055255	
135	PULLER MECHANICAL	5120124001185	
136	INSERTER BEARING AND BUSHING	5120124012294	
137	COVER ACCESS	5340124013888	
138	CLAMP BLOCK	5340124014260	
139	CONTROLLER VIDEO DISTRIBUTION	5836124014161	
140	CAMERA TELEVISION	5836124017247	
141	CONTROL UNIT COMPUTER	5895124010283	
142	SELECTOR CONTROL SUBASSEMBLY	5895997270513	
143	SELECTOR CONTROL SUBASSEMBLY	5895998365602	
144	FILTER ASSEMBLY ELECTRICAL	5915200087267	
145	FUSE BOX	5920124009548	
146	COIL ELECTRICAL	5950996156008	
147	JUNCTION BOX	5975124010338	
148	JUNCTION BOX	5975124030284	
149	CONTROL-DISPLAY OPTOELECTRONIC	5980998427362	
150	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL	5995993753914	
151	CIRCUIT CARD ASSEMBLY	6150124016773	
152	INTERFACE UNIT INPUT-OUTPUT	5998124020695	
153	MOTOR ASSEMBLY ELECTRIC	6105124015404	
154	MOTOR DIRECT CURRENT	6105124017353	
155	DISTRIBUTION BOX	6110124009505	
156	CONTROLLER ELECTRICAL	6110124014138	
157	DISTRIBUTION BOX	6110994832229	
158	PROTECTION BOX	6110999891390	



<b>LINE ITEM</b>	<b>Description</b>	<b>NSN</b>	<b>Turn Around Time (TAT) (Number of Days)</b>
159	GENERATOR SET DIESEL ENGINE	6115124015595	
160	POWER SUPPLY	6120124042377	
161	CHARGER BATTERY	6130124017866	
162	INVERTER POWER STATIC	6130124020468	
163	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL	6150124017825	
164	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL	6150124018069	
165	WIRING HARNESS BRANCHED	6150124023168	
166	WIRING HARNESS BRANCHED	6150124023291	
167	CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL	6150993822543	
168	WIRING HARNESS	6150993912441	
169	WIRING HARNESS BRANCHED	6150996669031	
170	DETECTOR HEAT	6350124016738	
171	DYNAMOMETER ELECTRONIC	6695124012139	
172	REMOTE CONTROL INSTRUMENT-EQUIPMENT	6695124014137	
173	CAMERA MOTION PICTURE	6710124083960	
174	CAMERA RECONNAISSANCE SYSTEM	6720226289047	
175	DISPLAY UNIT	7025016522980	
176	DISPLAY UNIT	7025124011950	
177	CONTROL COMPUTER PROGRAMMER	7042124020344	
178	CONTROL COMPUTER PROGRAMMER	7042124020345	
179	TEST STAND	4940124051951	
180	TEST SOCKET,FIRE EXTINGUISHING AND DETECTION SYSTEM	4210124053480	
181	MOTOR,HYDRAULIC	4320145876190	
182	PANEL VEHICULAR OPERATION	2510123923964	
183	PANEL VEHICULAR OPERATION	2510123928501	
184	PANEL VEHICULAR OPERATION	2510123928740	
185	TRANSFER TRANSMISSION ASSEMBLY	2520123928669	
186	WHEEL HUB	2530121758493	
187	CONTROL BOX ARMORE	2540123873146	
188	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540123928662	
189	COUPLER DRAWBAR HOOK	2540123928665	
190	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007905	
191	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007913	
192	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007914	
193	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007915	
194	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007917	
195	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007918	
196	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124007919	
197	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009973	
198	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009974	

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<b>LINE ITEM</b>	<b>Description</b>	<b>NSN</b>	<b>Turn Around Time (TAT) (Number of Days)</b>
199	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009975	
200	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009976	
201	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009977	
202	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009978	
203	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009979	
204	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124009980	
205	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124010105	
206	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124010108	
207	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124010109	
208	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124010114	
209	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124010278	
210	ARMOR SUPPLEMENTAL SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124010405	
211	FILLER NECK VEHICULAR COMPONENTS	2590121921216	
212	KUEHLER HYDRAULIKF	2590123281287	
213	WINCH DRUM VEHICLE MOUNTING	2590123873144	
214	DECKEL TROMMELWIND	2590123928563	
215	WINCH DRUM VEHICLE MOUNTING	2590123928572	
216	DRUM WINCH	2590123928585	
217	BLADE BULLDOZER EARTH MOVING	2590123928588	
218	GEAR ASSEMBLY SPEED DECREASER	3010123293147	
219	SAFETY DEVICE TORQUE OVERLOAD	3010123925507	
220	TRANSMISSION MECHANICAL NONVEHICULAR	3010123933704	
221	CYLINDER ACTUATING LINEAR	3040123670645	
222	CYLINDER ASSEMBLY ACTUATING LINEAR	3040123671996	
223	ACCUMULATOR HYDRAULIC	3040123922112	
224	SUPPORT CYLINDER	3040123944925	
225	HOOK BLOCK ASSEMBLY	3940123691026	
226	WINCH DRUM POWER OPERATED	3950123924675	
227	WINCH DRUM POWER OPERATED	3950123928659	
228	MOTOR HYDRAULIC	4320123128353	
229	PUMP HYDRAULIC RAM HAND DRIVEN	4320123558573	
230	PUMP AXIAL PISTONS	4320123777385	
231	PUMP UNIT HYDRAULIC	4320123931392	
232	PUMP UNIT HYDRAULIC	4320123945122	
233	PUMP HYDRAULIC	4320123949309	
234	FLOW VALVE ASSEMBLY	4810123210612	
235	VALVE LINEAR DIRECTIONAL CONTROL	4810123292942	
236	VALVE ASSEMBLY MANIFOLD	4810123922134	
237	VALVE ASSEMBLY MANIFOLD	4810123931546	
238	VALVE ASSEMBLY MANIFOLD	4810123931548	

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LINE ITEM	Description	NSN	Turn Around Time (TAT) (Number of Days)
239	VALVE ASSEMBLY YOU	4820123200851	
240	VALVE ASSEMBLY	4820123287900	
241	VALVE ASSEMBLY MANIFOLD	4820123931550	
242	STAENDERTEILBAUGRUP	4910123418098	
243	FIXTURE VEHICULAR MAINTENANCE	4910123699723	
244	TEST SET HYDRAULIC SYSTEM COMPONENTS	4910123945004	
245	HOIST VEHICLE COMP	4910123945008	
246	TEST SET HYDRAULIC SYSTEM COMPONENTS	4910123945757	
247	CHARGING AND TESTING UNIT NITROGEN	4940123945759	
248	JACK HYDRAULIC HAND	5120123402647	
249	CONTROL-INDICATOR GROUP	5895123313135	
250	CONTROL-INDICATOR	5895123921439	
251	REMOTE CONTROL INSTRUMENT-EQUIPMENT	5895123964344	
252	FILTER ASSEMBLY ELECTRICAL	5915123919964	
253	SWITCH BOX	5930123924134	
254	REACTOR	5950123325814	
255	CIRCUIT CARD ASSEMBLY	5998123670642	
256	CIRCUIT CARD ASSEMBLY	5998123920207	
257	CIRCUIT CARD ASSEMBLY	5998123924312	
258	DISTRIBUTION BOX	6110123214485	
259	DISTRIBUTION BOX	6110123920211	
260	DISTRIBUTION BOX	6110123935805	
261	METER SPECIAL SCALE	6625015787564	
262	PERISCOPE SUBASSEMBLY	6650123942300	
263	SCANNER CONTROL AND MONITORING	6695123920436	
264	CAMERA MOTION PICTURE	6710123866498	
265	COMPUTER DIGITAL	7021123920149	
266	TERMINAL DATA PROCESSING	7025123962839	
267	COMPUTER SUBASSEMBLY	7050123530234	
268	EXTINGUISHER BOTTLE NEUGEN	4210124028574	
269	FIRE EXTINGUISHER BOTTLE (new NSN)	4210124043934	
270	<del>BLADE MINE CLEARING</del>	<del>2590200082628</del>	
271	GEAR ASSEMBLY SPEED DECREASER	3010121730625	
272	PUMP UNIT CENTRIFUGAL	4320124025475	
273	POWER PACK HYDRAULIC	4330124018041	
274	MANIFOLD HYDRAULIC SYSTEM ACCESSORIES	4730124023418	
275	<del>JUNCTION BOX</del>	<del>5975200084603</del>	
276	MOTOR DIRECT CURRENT	6105123227303	
277	<del>CABLE ASSEMBLY SPECIAL PURPOSE ELECTRICAL BRANCHED</del>	<del>6150219052028</del>	
278	<del>WIRING HARNESS</del>	<del>6150219052029</del>	

<b>LINE ITEM</b>	<b>Description</b>	<b>NSN</b>	<b>Turn Around Time (TAT) (Number of Days)</b>
279	FRAME SECTION,STRUCTURAL,VEHICULAR	2510200078422	
280	BRAKE ASSEMBLY WINCH SAFETY	2530121456335	
281	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124023566	
282	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124023563	
283	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124021543	
284	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124022999	
285	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124023559	
286	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124023032	
287	ARMOR,SUPPLEMENTAL,SMALL ARMS-FRAGMENTATION PROTECTIVE	2540124023035	
288	HITCH,TRUCK AND TRACTOR MOUNTING ATTACHMENT	3830124072674	
289	BLADE, MINE CLEARING	2590995034049	
290	BLADE, MINE CLEARING	2590996684459	
291	OMS DEPLOYMENT FRAM	2510999406655	
292	LEO 2,AEV,AOA PROTECTION KIT	8150124088396	
293	CONTROLLER,VIDEO DISTRIBUTION	5836124087479	
294	LEO II AOA KIT,STORAGE CONTAINER	814520A0S6211	
295	DRIVE UNIT,ANGLE	3010123263311	

**Late Delivery – Turn-Around-Time (TAT)**

- 1) For CLIN 001, the Contractor must meet the proposed firm (TAT) for any given item(s) listed in Table 1 above.
- 2) If not met, the following cost reduction percentages identified in table 2 below will apply accordingly.

**Table 2**

<b>Late Delivery (Calendar Days)</b>	<b>Cost Reduction Rates</b>
Under 30	0%
31 to 60	5%
Over 60	10%

**CLIN 002                    ADDITIONAL WORK REQUIREMENTS (AWR)**

Additional Work Requirements can only be authorized by the Contracting Authority or its delegated representative. Additional Work is defined as work beyond the scope of the Repair and Overhaul and Upgrade services for the Leopard 2 Armoured Recovery Vehicle Canadian (Leo 2 ARV CAN), Armoured Engineer Vehicle (AEV) and Tactical Mobility Implements (TMI) components (CLIN001). For example, it may include the authorized removal and salvageable parts from condemned equipment, the demilitarization of scrap, MRPs, TIES, and SITS.

**1) Firm Hourly Blended Direct Labour Rate:**

The AWR firm hourly direct labour rates include all direct labour required by the Contractor and its Sub Contractors to perform AWR services;

**2) Laid Down Cost (LDC) for Contractor Furnished Materials**

**LDC** is defined as "The cost incurred by a supplier to acquire a specific part(s) to complete the repair and/or upgrade of the items listed in Appendix 1, to Annex A –Candidates List. This includes the supplier's invoice price (less trade discount), plus any applicable charges for incoming transportation, excluding transportation from the Contractor to OEM or any of its sub-contractors, foreign exchange and brokerage, but excludes Canadian Customs Duty and the applicable Taxes.

**3) Contractor Furnished Materials Mark-up**

The Contractor Furnished Materials Mark-up includes but is not limited to the Original Equipment Manufacturer (OEM) parts or acceptable substitutes and packaging material.

***CLIN 002 –Firm Hourly Blended Labour Rates and Firm Material Mark-Up Rates (inclusive of profit)***

<b><u>Direct Labour Category</u></b>	<b>Contract Award Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Option Year 1</b>
<b>% Firm Furnished Material Mark-up</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>