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800 Burrard Street, Room 219  
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Vancouver  
British Columbia  
V6Z 0B9  
Bid Fax: (604) 775-9381

**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  
Public Works and Government Services Canada -  
Pacific Region  
800 Burrard Street, Room 219  
800, rue Burrard, pièce 219  
Vancouver  
British C  
V6Z 0B9

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| Title - Sujet<br>CanNor Relocation & Renovation  |  |
| Solicitation No. - N° de l'invitation<br>EZ899-160207/A  | Amendment No. - N° modif.<br>004                                   |
| Client Reference No. - N° de référence du client   | Date<br>2015-06-29   |
| GETS Reference No. - N° de référence de SEAG<br>PW-\$PWY-019-7526  |  |
| File No. - N° de dossier<br>PWY-5-38033 (019)  | CCC No./N° CCC - FMS No./N° VME                                    |
| Solicitation Closes - L'invitation prend fin<br>at - à 02:00 PM<br>on - le 2015-07-02  | Time Zone<br>Fuseau horaire<br>Pacific Daylight Saving<br>Time PDT |
| F.O.B. - F.A.B.<br>Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>              |  |
| Address Enquiries to: - Adresser toutes questions à:<br>Ngan, Ken (PWY)  | Buyer Id - Id de l'acheteur<br>pwy019                              |
| Telephone No. - N° de téléphone<br>(604) 658-2755 ( )  | FAX No. - N° de FAX<br>(604) 775-6633                              |
| Destination - of Goods, Services, and Construction:<br>Destination - des biens, services et construction:<br>CanNor - Elijah Smith Building - Whitehorse, YT |  |

Instructions: See Herein

Instructions: Voir aux présentes

|  |                                       |
|--|---------------------------------------|
| Delivery Required - Livraison exigée   | Delivery Offered - Livraison proposée |
| Vendor/Firm Name and Address<br>Raison sociale et adresse du fournisseur/de l'entrepreneur   |                                       |
| Telephone No. - N° de téléphone<br>Facsimile No. - N° de télécopieur   |                                       |
| Name and title of person authorized to sign on behalf of Vendor/Firm<br>(type or print)<br>Nom et titre de la personne autorisée à signer au nom du fournisseur/<br>de l'entrepreneur (taper ou écrire en caractères d'imprimerie) |                                       |
| Signature  | Date                                  |

This Solicitation Amendment 004, (Addendum No. 3) is raised to provide responses to questions received, and to incorporate Section 122400 - Window Roller Shades, into the Specifications.

All other terms and conditions remain unchanged.

Q1.) Please confirm specifications on roller shade in service counter room.

A1.) See attached Section 122400 - Window Roller Shades.

Q2.) Please confirm specifications on Vinyl Wall Covering that is to be repaired in certain areas.

A2.) All Vinyl Wall Covering (VWC) to be repaired is existing, no specific information is available. Majority of existing walls to be demolished have VWC finish, salvage as required to complete repairs.

End of Solicitation Amendment 004.

**Part 1 General**

**1.1 SECTION INCLUDES**

- .1 Manual, chain-operated, horizontal window roller shades.

**1.2 RELATED SECTIONS**

- .1 Section 09 21 66 – Gypsum Board Assemblies.

**1.3 SYSTEM DESCRIPTION**

- .1 Provide for infinite positioning of window shade.
- .2 Noise reduction seals for sound isolation and absorption of mechanism noise.
- .3 Shade Orientation: Shade cloth to roll at window side of roller.
- .4 Degree of Openness: 3%.
- .5 Provide for smooth and quiet operation.

**1.4 SUBMITTALS FOR REVIEW**

- .1 Section 01 33 00: Submission procedures.
- .2 Product Data: Provide manufacturer's data sheets describing components, accessories, dimensions, tolerances for window openings required, colours and textures.
- .3 Shop Drawings: Indicate dimensions in relation to window jambs, operator details, top rail, conditions between adjacent blinds, anchorage details, hardware and accessories details, connections and required clearances.
- .4 Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the drawings and include opening sizes, key to typical mounting details.
- .5 Samples: Submit two (2) sets 300 mm long samples of each visible-to-view component, indicating colour, surface texture and sheen.

**1.5 WARRANTY**

- .1 Provide a five (5) year warranty to include coverage for failure to meet specified requirements and any defects in blind assembly.

**1.6 QUALITY ASSURANCE**

- .1 Manufacturer Qualifications: Obtain roller shades system through one source from a single manufacturer with a minimum of five (5) years documented experience.
- .2 Installer Qualifications: Company specializing in performing the work of this section with minimum three (3) years documented experience.

**1.7 CLOSEOUT SUBMITTALS**

- .1 Section 01 78 10: Closeout Submittals.

**Part 2 Products**

**2.1 COMPONENTS**

- .1 Horizontal Shade Band:
  - .1 Assembly: Fabric, internal bottom bar, roller tube, attachment of shade bands to roller tube.
  - .2 Fabric: Single thickness, opaque, 0.76 mm thick, non-ravelling vinyl fabric, woven from 0.46 mm diameter extruded vinyl/polyester yarn.
    - .1 Openness Factor: 3%
    - .2 Colour: Selected from manufacturer's available range.
- .2 Concealed Hembar: Continuous extruded aluminum bar for the entire width of shade.
  - .1 Hembar shall be heat sealed on all sides.
  - .2 Open ends will not be accepted.
- .3 Shade Roller Tube: Extruded aluminum, diameter and wall thickness required to support shade fabric, with reinforced internal ribs to provide maximum span without tube deflection.
- .4 Internal Tension Idler: Adjustable, to automatically control the amount of torque generated for constant smooth operation of the shade system, with automatic release during down-travel, and automatic engage during up-travel.
- .5 Chain Drive: Heavy duty, commercial grade sprocket, a planetary gear assembly for increased performance, speed ratio, smoothness, and balance to the chain and shade assembly.
  - .1 Drive Mechanism: Provide positive mechanical engagement to shade roller tube. Friction fit connectors are not acceptable.
  - .2 Shade Hardware: Constructed of minimum 3.18 mm thick plated steel or heavier as required to support 150 percent of the full weight of each shade.
  - .3 Brake: shall be an over running clutch design which disengages to 90 percent during the raising and lowering of a shade. The brake shall withstand a pull force of 22 kg in the stopped position.
  - .4 Assembly shall be permanently lubricated. Products that require externally applied lubrication, or are not permanently lubricated are not acceptable.
  - .5 Operating Chain: No.10, heavy duty stainless steel bead chain, rated to minimum 40 kg load test.
  - .6 Chain Hold Down: To fully secure shade to chain holder.
- .6 Mounting Brackets: 15 mm galvanized steel, snap on brackets for ceiling, wall, or recessed mount in ceiling, capable of supporting roller tube and fascia panel.
- .7 Fascia: Continuous removable extruded aluminum fascia that attaches to shade mounting brackets without the use of adhesives, magnetic strips, or exposed fasteners.
  - .1 Shall be able to be installed across two or more shade bands in one piece.
  - .2 Shall fully conceal brackets, shade roller and fabric on the tube.
  - .3 Provide bracket / fascia end caps where mounting conditions expose outside of roller shade brackets.

- .4 Finish: Anodized.
- .5 Size: Fascia to extend full width of window opening.
  - .1 If multiple lengths of fascia required breaks to occur at divisions of blinds.

## **2.2 FABRICATION**

- .1 Provide manual shade chain drive window shade, of:
  - .1 Tension activated lifting mechanism with multi-layer concentric constant tension.
  - .2 Lifting mechanism with a memory tension lock.
  - .3 Shade to not require re-tensioning after removal for cleaning.
  - .4 Internally free-floating mechanism along grooved non-corrosive shaft, and reversible for future alterations and maintenance.
- .2 Factory assemble in a one piece container, closed on all four sides, with top, back, sides and bottom return of plastic injected-molded end caps.
- .3 Lifting mechanism to accommodate tension modules for maximum shade performance. Provide memory lock for tension modules to retain torque.
- .4 Mounting detail: Head mounted within window frame.

## **Part 3 Execution**

### **3.1 EXAMINATION**

- .1 Install roller shades after finish work including painting is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- .2 Examine substrate and conditions for installation.
- .3 Beginning of installation means acceptance of substrate and project conditions.

### **3.2 INSTALLATION**

- .1 Install units and their accessories to manufacturer's instructions.
- .2 Securely screw end plugs to conceal exposed cut aluminum of exterior hem bar.
- .3 Securely anchor units plumb and level, using hardware and accessories to provide smooth operation without binding.

### **3.3 INSTALLATION TOLERANCES**

- .1 Maximum gap at window opening perimeter: 3.18 mm at opening perimeter, 6.35 mm between shades.
- .2 Maximum offset from level: 3 mm over 1200 mm.
- .3 Use manufacturer's edge clearance requirements for shades where the width-to-height ratio exceeds 1:3.

**3.4 ADJUSTING**

- .1 Adjust units for smooth operation.
- .2 Adjust shade and shade cloth to hang flat without waves, folds, or distortion.
- .3 Replace any units or components which do not hang properly or operate smoothly.

**3.5 CLEANING**

- .1 Section 01 74 00: Cleaning installed work.
- .2 Touch up damaged finishes and repair minor damage in a manner to eliminate evidence of repair. Remove and replace work that cannot be satisfactorily repaired.
- .3 Clean exposed surfaces and edges/ends, including metal and shade cloth, using non-abrasive materials and methods recommended by manufacturer. Remove and replace work which cannot be satisfactorily cleaned.

**3.6 CLOSEOUT ACTIVITIES**

- .1 Demonstration: Demonstrate operation method and instruct tenant's personnel in the proper operation and maintenance of the window shade assembly.

**3.7 SCHEDULES**

- .1 Third Floor: All exterior windows within the area of construction to receive new Roller Shades. Fascia to extend full length of window. Provide for 2 blinds per window, division at mullion.

**END OF SECTION**