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**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**

Electrical & Electronics Products Division  
11 Laurier St./11, rue Laurier  
7B3, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> Battery Manufacturing Line	
<b>Solicitation No. - N° de l'invitation</b> 31026-171557/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 31026-171557	<b>Date</b> 2017-03-23
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HN-458-72439	
<b>File No. - N° de dossier</b> hn458.31026-171557	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-04-10</b>	<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lee, Carlos	<b>Buyer Id - Id de l'acheteur</b> hn458
<b>Telephone No. - N° de téléphone</b> (819) 420-0336 ( )	<b>FAX No. - N° de FAX</b> (819) 953-4944
<b>Destination - of Goods, Services, and Construction:</b> <b>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</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>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 002 is raised to provide answers to the following questions as follows:

**Question 36:** There are no Vacuum Dry Oven in the specification. Is one required?

**Answer 36:** No vacuum drying oven is required.

**Question 37:** There are no Ultra sonic Welder in the specification.

**Answer 37:** No ultrasonic welder is required.

**Question 38:** Regarding Mixer, please refer "APPENDIX C-Double Planetary Mixer / 3.3 Vessel / 3.3.2"

- 1 ~ 2L is indicated on the tabletop on the specification.

Since it uses about 60% of the normal capacity, the minimum usage is 0.6L ~ 1.2L.

- Coating of 0.6L with a width of 250mm as specified in the specification in the die coater differs depending on the loading but only about 20m in section is coated.

- Since the coating speed is 0.3 ~ 3 m/min, it can only operate for 7 minutes even at minimum speed.

- At least 5L Mixer should be considered to be suitable for stand-alone type instead of tabletop type.

**Answer 38:** This is meant to be a pilot-scale R&D manufacturing line and productivity is therefore not looked for. Given that we already possess a mixer which will be used at the final mixing stage, and which can be used in a semi-continuous mode, there is no need for a bigger vessel at this stage. Please note that the "processing capacity" is to be 1-2L, not the vessel volume. When larger production will be needed, we do agree that a 5 to 10 L vessel shall be necessary.

**Question 39:** What is the Battery Capacity (Ah) they need for this project?

**Answer 39:** The line should be able to manufacture small pouch cells (34x50 mm<sup>2</sup>) with capacities ranging between 300 and 700 mAh, as well as big pouch cells (150x200 mm<sup>2</sup>) with capacities ranging between 10 and 30 Ah.

**Question 40:** What is the solvent type for this machine?

**Answer 40:** This is a R&D machine and should be able to work with a variety of organic and water-based solvents. Solvents to be used will include in priority N-methylpyrrolidone (NMP), dimethylformamide (DMF) and water-based dispersions.

All other terms and conditions remain unchanged.