



**Project Title:** Emergency Generator Installation  
Building 56  
Central Experimental Farm (CEF), Ottawa (Ontario)

**Solicitation No:** 13-1427

March 3, 2014

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents

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**Q & A**

**Q1. At Section 26 32 14, article 1.7.4.2 there is reference to the increase of the load to 110% rated value. In order to comply, a 550kW instead of a 500kW generator would be required. Could you confirm?**

A1. A 500kW generator is required.

**Q2. At Section 26 32 14, article 2.1.7.2 is asking for an oil temperature gauge. Since the majority of the products on the market do not have such a gauge and that the engine temperature is indicated (coolant temperature), is an oil temperature gauge really required?**

A2. The Lube oil temperature gauge is not required.

**Q3. Can you confirm that the maximum noise level of 72 dBa at any location 7 meters from the generator set in a free field environment indicated at article 2.5.1 of Section 26 32 14 is the one required for this project?**

A3. Confirmed, a maximum noise level of 72 dBa is required for this project.

**Q4. Must we provide an inverter with a solid neutral as indicated at article 2.2.9 or an overlapping neutral as indicated at 2.2.10 of Section 26 36 23?**

A4. An inverter with a solid neutral is to be provided. Overlapping neutral is not required.

**Q5. Referring to Section 26 36 23, article 2.4.9, it is not standard to have current transformers in an inverter for current reading on each load. Is it required to have these informations for this project? If so, could you please confirm if the currant transformers are only required on the load side?**

A5. The currant transformers are required on the load side only.

**Q6. Referring to Drawing E-100, are there maximum dimensions to respect for conception and manufacture of the generator enclosure?**

A6. No there are no maximum dimensions to respect for the enclosure but all dimensions must be compliant with the Specifications.

**Q7. Must we position the underground conduit termination as shown at Item 14 of Drawing E-100 or can we position anywhere?**

A7. The Drawing is showing schematic diagram/layout only. Layout may be adjusted to suit the site conditions.



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**Q8. At Item 15 of Drawing E-100, there is a description of the system control panel with breaker and connection to mobile generator. It seems like there are no details about this connection in the single-line diagram of the new distribution of Drawing E-101. Is it possible to have more details?**

A8. There is no connection for a mobile generator, see included modifications to the French Drawing.

**Q9. Are there any maximum dimensions to respect for the Distribution Panel 800A of Item 4 of Drawing E-101?**

A9. No, standard dimensions are satisfactory to fit in the space.

**Q10. IT appears that the manufacturing time for such a set is beyond the allowed 12 weeks Construction Time. Is there any possibility to extend the Construction Time?**

A10. The Construction Time is extended to 18 weeks, see changes to the Invitation to Tender herein.

**Q11. Is there rebar required for the Slab on Grade and if so can details be provided?**

A11. Yes, see included ESK-2 Drawing.

**Q12. Can you provide all details regarding the concrete slab and the bollards?**

A12. Yes, see included ESK-1 and ESK-2 Drawings.

**Q13. Referring to the horizontal drilling, can you confirm that all conduits must be pulled individually with spacing or if all 4 can be included within one bore shot?**

A13. All conduits must be pulled individually with spacing.

**Q14. Can you confirm that the conduits going to existing pad mount switchgear indeed exist and no work is required? Note that the Site Plan Drawing is showing it as existing.**

A14. Confirmed, the conduits going to the existing pad mount switchgear indeed exist and no work is required.

**Q15. Is it a remote fuel tank or a base fuel tank that is required for this project?**

A15. A sub-base fuel tank is required for this project.

**Q16. Is a Circuit Breaker solid state sensing rated 50KA required for this project?**

A16. The sensing rate of the Circuit Breaker solid state is re-evaluated at 35kA, see included specifications revision.

## **INVITATION TO TENDER**

### **1. At Front Page "Invitation to Tender":**

**Delete:** Monday March 10

**Insert:** Wednesday March 19



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**2. At the Bid and Acceptance Form (BA), BA06 “Construction Time”:**

**Delete:** 12 weeks

**Insert:** 18 weeks

\* Note that for your convenience, a revised copy of the Bid and Acceptance Form (BA) is included at the end of this Addendum.

**SPECIFICATIONS**

**1. At the Table of Content under “Drawings”:**

**Add:** ESK-01 Typical Protective Bollard Detail

ESK-02 Typical Generator Concrete Slab Detail

**2. At Section 26 28 16.02 “Moulded Case Circuit Breakers”, Article 2.1.6:**

**Delete:** 50 kA

**Replace with:** 35 kA

**3. At Section 26 32 14 “Diesel Generator”, Article 1.3.2.9:**

**Delete:** for gen-set c/w remote 5000 liter fuel day tank.

**Replace with:** for generator set complete with 48 hour sub-base fuel tank.

**4. At Section 26 32 14 “Diesel Generator”:**

**Delete in their entirety articles 1.7.4.2, 2.1.7.2 and 2.1.9**

**5. At Section 26 32 14 “Diesel Generator”, Article 2.4.4.4.2:**

**Delete:** 50 kA

**Replace with:** 35 kA

**6. At Section 26 32 14 “Diesel Generator”, Article 2.11.1.6:**

**Delete:** Fuel system and day tank.

**Replace with:** Sub base fuel tank.

**7. At Section 26 36 23 “Automatic Load Transfer Equipment”, Article 2.2.10:**

**Delete in its entirety**

**DRAWINGS**

**1. At Drawing E100 “Site Plan and Generator Details, Note 7:**

**Delete:** 200mm diameter galvanized steel bollard.

**Replace with:** The Contractor shall provide 200mm diameter protective concrete filled steel bollards around enclosure’s concrete slab as shown. Refer to ESK-01 Drawing for bollard details.



## Addendum 1

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**2. At Drawing E100 “Site Plan and Generator Details, Note 12:**

**Delete:** Concrete base for generator and fuel tank enclosure.

**Replace with:** The Contractor shall provide concrete base to suit the generator enclosure with 300mm clearance extending around the enclosure. Refer to ESK-02 for concrete base details.

**3. At Drawing E101 “Partial Basement Ground Floor Plans, Single Line Diagrams” Note 3:**

**Add:** Provide generator start/stop control wiring and conduit as required.

**4. Add Drawings ESK-01 and ESK-02 to the Drawings and Specifications.**

**ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME**

**BA01 IDENTIFICATION**

EMERGENCY GENERATOR INSTALLATION  
Building 56, CEF Ottawa  
Project: CEF13 0013  
Solicitation # 13-1427

**BA02 BUSINESS NAME AND ADDRESS OF BIDDER**

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

PBN: \_\_\_\_\_

**BA03 THE OFFER**

The Bidder offers to Her Majesty the Queen in right of Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the Total Bid Amount of \$ \_\_\_\_\_ excluding Applicable Taxes.  
(amount in numbers)

**BA04 BID VALIDITY PERIOD**

The bid shall not be withdrawn for a period of 30 days following the date of solicitation closing.

**BA05 ACCEPTANCE AND CONTRACT**

Upon acceptance of the Contractor's offer by Canada, a binding Contract shall be formed between Canada and the Contractor. The documents forming the Contract shall be the contract documents identified in Contract Documents (CD).

**BA06 CONSTRUCTION TIME**

The Contractor shall perform and complete the Work within 18 weeks from the date of notification of acceptance of the offer.

**BA07 BID SECURITY**

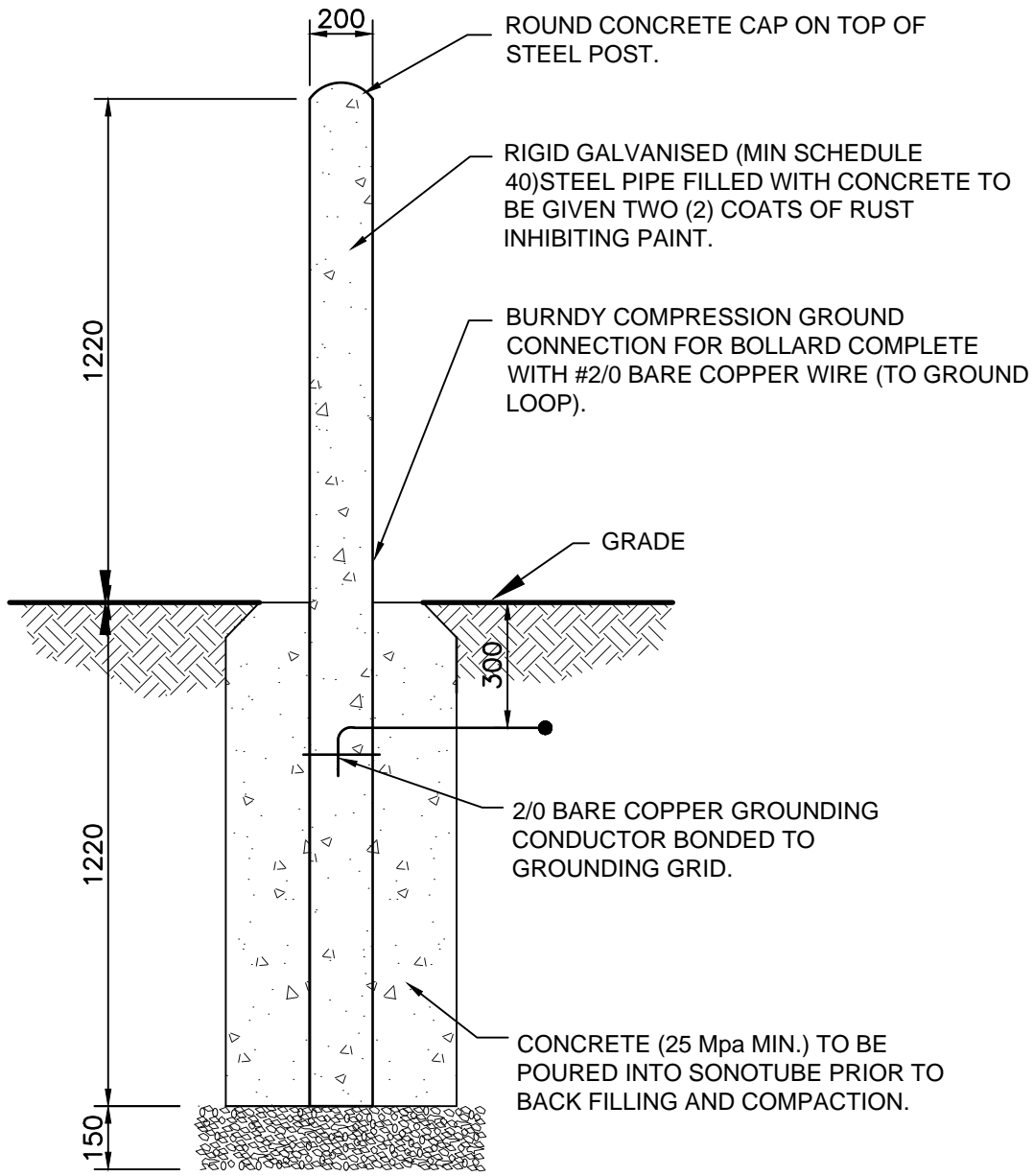
The Bidder is enclosing bid security with its bid in accordance with GI08 - Bid Security Requirements of the General Instructions to Bidders (GI).

**BA08 SIGNATURE**

\_\_\_\_\_  
*Name and title of person authorized to sign on behalf of Bidder (Type or print)*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



240 Catherine street, suite 110  
 Ottawa, Ontario, K2P 2G8  
 Phone : (613) 860-2462  
 Fax : (613) 860-1870  
 www.cima.ca

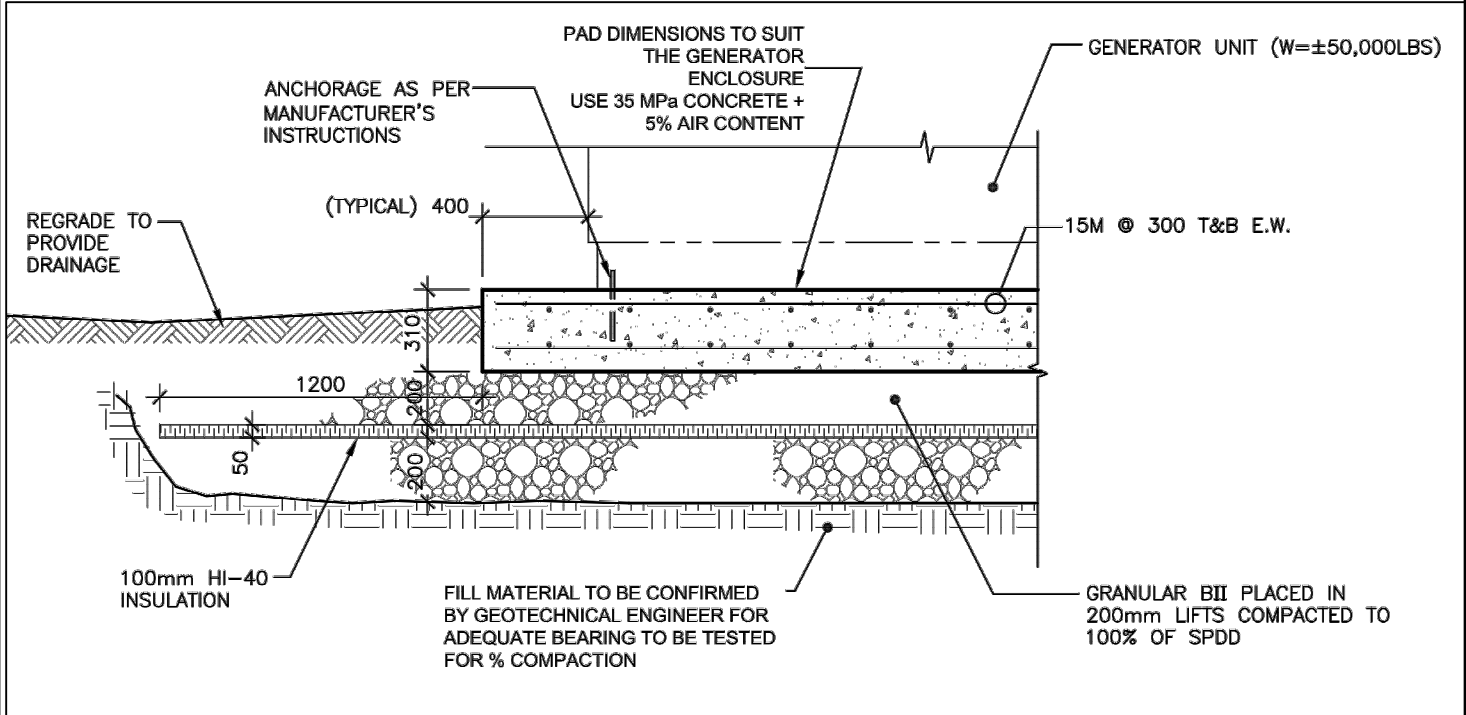
ISO 9001

Designed	: Y.F.
Proposed	: K.S.
Verified	: K.S.
Date	: 2014-02-25
Scale	: 1:50

client:  
**Agriculture and Agri-food Canada**  
**Central Experimental Farm**  
**Integrated Services**

title:  
 TYPICAL PROTECTIVE BOLLARD DETAIL

A000407	E101	<b>ESK-01</b>	1 de 1	X
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ISO 9001

Designed	: Y.F.
Proposed	: K.S.
Verified	: K.S.
Date	: 2014-02-25
Scale	: NOT TO SCALE

client:

**Agriculture and Agri-food Canada  
Central Experimental Farm  
Integrated Services**

title:

**TYPICAL GENERATOR CONCRETE SLAB DETAIL**

A000407

E101

**ESK-02**

1 de 1

X