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Bid Receiving Public Works and Government
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1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 1T3
Bid Fax: (902) 496-5016

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
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 3C9

Title - Sujet CCGS Cape Light - REFIT	
Solicitation No. - N° de l'invitation F5561-132508/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client F5561-132508	Date 2013-09-19
GETS Reference No. - N° de référence de SEAG PW-\$HAL-403-9063	
File No. - N° de dossier HAL-3-71111 (403)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-09-26	Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT
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: Brow, Theresa	Buyer Id - Id de l'acheteur hal403
Telephone No. - N° de téléphone (902) 496-5166 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

This amendment is raised to amend/clarify the following:

The spec item requiring 5083 aluminum is a minimum standard. 6061 aluminum is approved, and apparently cheaper/easier to acquire.

Attached is the updated H-01 spec. Minor revisions, mostly “inspect, and replace/repair as necessary, rather than simply “replace/repair”.

Dyno test has been removed.

Sea trials acceptance has been better quantified.

Engine Serial numbers:

Port – 1101056862/255958

Stbd – 1101056870/255969

H-01 MAIN ENGINE OVERHAUL & REPOSITIONING

Intent: For contractor to remove engines, crate, and transport to and from sub-contractors facility (if no certified local FSR is available) and to assist subcontractor with reinstall.

- H-01-1. Contractor shall prepare both main engines for removal. This shall include but is not limited to: draining fluids, disconnecting pipe work, disconnecting electrical connections and removal of engines.
- H-01-2. Contractor shall supply a crane to remove both engines from vessel.
- H-01-3. If a local FSR is available with current certification to service Volvo Penta engines, contractor shall provide adequate workshop space on site for engine work.
- H-01-4. If no FSR is available, contractor is to crate and provide transportation to and from subcontractor's facility.
- H-01-5. The Contractor shall include in the bid an allowance of \$40,000.00 for a Volvo Penta Factory Authorized Service Representative or a Marine Diesel Mechanic with significant experience working on Volvo diesel engines up to 1000 HP to complete all of the following work within the specified refit timeframe. The final cost will be adjusted via PWGSC 1379 action.
 - a) Inspect and change all crankshaft bearings (mains / rods / thrusts) if required.
 - b) Inspect the crankshaft.
 - c) Inspect camshaft and replace the bearings if required.
 - d) Rebuild or replace all cylinder heads if required.
 - e) Replace all gaskets and seals
 - f) Inspect and clean the charge air cooler.
 - g) Replace the thermostats and seals.
 - h) Replace all filters including engine oil / fuel oil / air / water.
 - i) Inspect, rebuild or replace all injectors if required.
 - j) Inspect, rebuild or replace turbocharger if required.
 - k) Inspect, rebuild or replace the fresh water pump if required.
 - l) Inspect, rebuild or replace the sea water pump if required.
 - m) Inspect and clean the engine oil cooler.
 - n) Inspect the cylinder kit, which include liners / pistons / ring sets.
 - o) Inspect starter and advise on the condition.
 - p) Inspect and clean Heat Exchanger core.

- q) Inspect oil pump and rebuild unit.
 - r) Inspect vibration damper and replace if required.
 - s) Replace flexible engine vibration mounts.
 - t) Remove the fuel injection pump and have unit inspected at an authorized repair shop.
 - u) Inspect governor.
 - v) Inspect fuel pump drive, rebuild if required.
 - w) Pressure test exhaust manifold.
 - x) Inspect all flexible lines and replace as required.
 - y) Inspect all gauges and alarm senders and confirm proper operation of alarm system.
 - ~~z) Dyno test each engine at full HP for 4 hours after overhaul to be witnessed by vessel representative.~~
- H-01-6. Any unspecified work required as a result of inspections after engine disassembly is to be approved by the Technical Authority prior to any additional repairs being carried out.
- H-01-7. While the engine is removed, contractor is to modify engine mounting as per engineered drawings/specifications provided in H-02 and Appendix A-1.
- H-01-8. All engine hoses and/or cabling is to be routed through designated bedplate girders. New chafing gear is to be installed at all potential chafe points.
- H-01-9. Contractor shall re-crate (if necessary) and transport engines from subcontractor's facility to contractor's facility upon completion of overhaul.
- H-01-10. Contractor shall supply a crane to re-install engines in vessel.
- H-01-11. Contractor shall re-install engines on the new mounts with the assistance of FSR.
- H-01-12. CGTA, Contractor and subcontractor shall be present during initial engine start and sea trials to ensure proper engine operation and to satisfy any FSR warranty requirements.
- H-01-13. Contractor shall arrange for Transport Canada to inspect engine upon assembly.
- H-01-14. Contractor shall provide Vessel's Representative with 3 copies of all work completed and parts used during overhaul.
- H-01-15. The final cost for work completed by the engine overhaul will be adjusted by 1379 action upon receipt of final invoicing.
- H-01-16. Acceptance of this specification item will be based on TCMSB and CGTA approval, based on successful sea trials consisting of not less than two hours at 100% load, with CGTA in attendance.