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 0A1 / Noyau 0A1
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

Fuel & Construction Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet DEPLOYABLE SOLID WASTE INCINERATOR	
Solicitation No. - N° de l'invitation W8476-123677/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client W8476-123677	**Date** 2012-05-08
GETS Reference No. - N° de référence de SEAG PW-$$HL-654-60421	
File No. - N° de dossier hl654.W8476-123677	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2012-06-18**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: MacLeod, Bobbi	**Buyer Id - Id de l'acheteur** hl654
Telephone No. - N° de téléphone (819) 956-3949 ( )	**FAX No. - N° de FAX** ( ) -
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**	

Amendment 001 to Request For Proposal (RFP) W8476-123677/A which closes on June 18, 2012 at 2:00 p.m. is raised to:

1- **INSERT** the attached Annex A and Annex B into the Request for Proposal document.

All other terms and conditions remain unchanged.

PERFORMANCE SPEC

FOR

DEPLOYABLE SOLID WASTE INCINERATOR

TABLE OF CONTENTS

1.0 SCOPE

1.1 Purpose

1.1.1 The purpose of this Performance Specification is to define the requirements for a Deployable Solid Waste Incinerator (DSWI) to be built and delivered in support of Canadian Forces (CF) deployments. The specification also defines the associated support and training requirements, which shall be delivered as part of the contract.

1.2 Background

1.2.1 The CF has a requirement for a mobile, effective and environment friendly DSWI. The primary function is to provide solid waste disposal for deployed CF self-contained camps.

1.3 Intended Use

1.3.1 The DSWI is intended for deployment domestically or abroad, for use throughout the year in a variety of climates. It will be subjected to lengthy, repeated periods of sustained, rugged military usage, extended inactivity, storage or transport.

1.4 Acronyms and Abbreviations

CCME	Canadian Council of Ministries of the Environment
CF	Canadian Forces
CFCU	Canadian Forces Containerized Unit
COTS	Commercial of the Shelf
CSA	Canadian Standards Association
CSC	Convention for Safe Containers
CWS	Canada Wide Standards
DND	Department of National Defence
DSWI	Deployable Solid Waste Incinerator
IMDG	International Maritime Dangerous Goods
IP67	International Protection Rating
ISL	Interim Spares List
ISO	International Organization for Standardization
LUX	Unit of illuminance and luminous emittance
MCN	Material Change Notice
NATO	North Atlantic Treaty Organization
NSN	NATO Stock Number
OEM	Original Equipment Manufacturer
RH	Relative Humidity
TA	Technical Authority

2.0 APPLICABLE DOCUMENTS

2.1 Applicability

2.1.1 The following documents form part of this specification to the extent specified herein.

2.2 Order of Precedence

2.2.1 In the event of conflict between the content of this specification and the referenced documents, the content of this specification shall take precedence.

2.2.2 Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

2.3 Standards and Specifications

IDENTIFYING NUMBER	DOCUMENT TITLE
1972 (CSC)	International Convention for Safe Containers
2001 (CCME)	Canada Wide Standards for Dioxins and Furans from Waste Incinerators and Coastal Pulp and Paper Boilers
2005 (CCME)	Canada Wide Standards for Mercury
2005 (CCME)	Canada Wide Standards for Particulate Matter and Ozone
CSA C22.1	Canadian Electrical Code, Part I Electrical Installations
CSA C22.2	Canadian Electrical Code, Part II General Requirements
ISO 668	Series 1 Freight Containers – Classification, Dimensions and Ratings
FED-STD-595C	Federal Standard
ISO 1161	Series 1 Freight Containers - Corner Fittings
ISO 1496-1	Series 1 Freight Containers – Specification and Testing Part 1: General Cargo Containers for General Purposes
ISO 6346	Freight Containers – Coding, Identification and Marking
ISO 8323	Freight Containers. Air/surface (intermodel) general purpose containers. Specification and tests
D-02-002-001/SG-001	Standard – Identification Marking of Canadian Military Property
D-LM-008-002/SF-001	Specification – Specification for Marking for Storage and Shipment
1975(TIR)	Transport International de Routier (latest revision)

3.0 REQUIREMENTS

3.1 General

3.1.1 The Deployable Solid Waste Incinerator (DSWI) shall process a minimum capacity of 2000 kg of waste with a minimum volume of 10 m^3 per day for a self-contained camp with 500 full time occupants.

3.1.2 The estimate amounts and types of daily waste to be incinerated are outlined in Appendix A.

3.1.3 The DWSI shall be able to run the incinerating process without requiring any direct supervision of the system by an operator.

3.1.4 This waste shall be incinerated with emissions limited to that set by Canadian Council of Ministries of the Environment (CCME) Canada Wide Standards (CWS).

3.1.5 A hopper shall be provided for temporary storage of waste for up to 48 hours (4000 kg of waste with a minimum volume of 20 m^3) where it shall be completely protected from the environment, until it can be loaded in the incinerator.

3.1.6 All requirements shall be met with “commercial off the shelf” (COTS) products, field-proven in a related industry such as oil or mineral exploration.

3.1.7 The quality of ash shall be such that it can be discharged as non-hazardous landfill without further treatment as per guidelines of Canadian Council of Ministries of the Environment (CCME). DND will be responsible for disposal of the incinerator ash.

3.1.8 The DSWI shall not contain a scrubber.

3.2 Performance Requirements

3.2.1 Capability

3.2.1.1 The DSWI shall process a minimum of 2000 kg of waste with a minimum volume of 10 m^3 per day. Estimates of materials and amounts are provided in Appendix A.

3.2.2 Deployability

3.2.2.1 The DSWI shall be deployed on level ground.

3.2.2.2 The DSWI shall be portable when packed for storage and shipping.

3.2.2.3 The DSWI shall not require any digging or external construction for operational deployment.

3.2.2.4 The DSWI shall be structurally self-supporting and fully operable on level ground.

3.2.2.5 The DSWI shall be designed to facilitate setting up and dismantling by four (4) untrained personnel, guided by one (1) trained supervisor, in less than eight (8) hours by using a 2268 kg capacity forklift without the use of special tools.

3.3 Physical requirements

3.3.1 Physical properties

The DSWI shall include:

a) ISO container(s), see paragraph 3.3.2;

b) 1 (one) electrical system, see paragraph 3.3.3;

c) 1 (one) incinerator, see paragraph 3.3.4;

d) Hopper(s), see paragraph 3.3.5;

e) 1 (one) auxiliary fuel system, see paragraph 3.3.6; and

f) 1 (one) process control panel, see paragraph 3.3.7.

3.3.2 ISO Container(s)

3.3.2.1 The container(s) shall be the main housing for the system.

3.3.2.2 All DSWI components shall be stored or housed within the ISO Container(s) for shipping and transport.

3.3.2.3 The container(s) shall be new, waterproof, non-collapsible, of a permanent character.

3.3.2.4 The structural members of the container(s) shall be made of Weathering Steel (i.e. CORTEN steel type).

3.3.2.5 The container(s) shall have the dimensions 20 ft / 6058 mm length x 8 ft / 2438 mm width x 8.5 ft / 2591 mm height.

3.3.2.6 The container(s) shall be in accordance with the standards ISO 668, ISO 1161, ISO 1496-1, and ISO 8323.

3.3.2.6.1 The container(s) shall be nine (9)-high stackable CSC certified.

3.3.2.6.2 Fork-lift pockets shall be provided for the handling of the container(s) in loaded conditions in accordance with paragraph 5.8.1 of ISO 1496-1.

3.3.2.6.3 In according with TIR (latest edition) all hinge-pins and screws, bolts, and other fasteners used for securing the hinges and closing devices to the container(s), and for folding the essential parts of the side, ends and roof shall be welded or otherwise secured in such a manner as to prevent access to the interior of the container(s) without leaving visible signs of tampering.

3.3.2.7 Attachments / outside components of the system shall fit totally within the external dimensional envelope of the container(s).

3.3.2.7.1 Only if it is necessary for the purpose of operation, some components of the system may protrude outside the external dimensional envelope of the container(s).

3.3.2.7.1.1 For transportation purposes, they shall be removable or retractable.

3.3.2.7.1.2 The protruded area shall be equipped with an outside securable door / permanently attached cover which shall not violate container certification.

3.3.2.7.1.3 The removable components shall be stored inside the container(s) and shall not release during transportation.

3.3.2.7.1.4 Modifications and openings made to the container(s) shall follow the guidelines of TIR (latest edition) to maintain the container(s) shipping security requirement.

3.3.2.8 The container(s) shall be equipped with lockable doors.

3.3.2.8.1 All locking device handles shall be furnished with provisions for padlocking and customs sealing.

3.3.2.9 Each DSWI container shall be provided with one (1) permanently attached document holder.

3.3.2.9.1 The holder shall be installed inside the container in an accessible dry place.

3.3.2.9.1.1 The holder shall accommodate shipping documents.

3.3.2.9.1.2 The holder in one of the DSWI containers shall accommodate the Operating and Maintenance Manual.

3.3.2.9.1.3 The dimensions of the holder shall be appropriate for 8.5-in x 11-in and 8.5-in x 14-in size documents / manuals.

3.3.2.10 Any working areas within the container(s) shall include a ventilation system.

3.3.2.11 Accessible toolbox(s) / storage cabinet(s) shall be provided to store hand-held tools and accessories to operate the equipment.

3.3.3 Electrical System

3.3.3.1 All electrical equipment of the electrical system shall be certified in accordance with the Canadian Electrical Code CSA C22.1 and C22.2.

3.3.3.2 The electrical system shall be capable to operate on 120/208V 60Hz using an external power source.

3.3.3.2.1 The electrical system shall be equipped with a 50-ft / 15 meters power cable to hook up the DSWI to a local power grid.

3.3.3.2.1.1 The power cable shall have an appropriate male Hubbell connector on the one side and female Hubbell connector on the other or TA approved equivalent.

3.3.3.2.1.2 All plugs shall be recessed from the surface to avoid damage during shipping and handling.

3.3.3.2.1.3 The contractor's panel shall further distribute the power as required

3.3.3.3 The DSWI shall be equipped with emergency shut off button(s) easily accessible to the operator.

3.3.3.4 The power connector(s) of the container(s) shall be male Hubbell watertight device(s) (HBL type), IP67 suitable or TA-approved equivalent.

3.3.3.4.1 The connector(s) shall be installed in the power recess of the container(s).

3.3.3.4.1.1 The power recess shall be separated by a sealed wall from the inside of the container and shall be equipped

with an outside securable door / permanently attached cover.

3.3.3.5 The connectors shall be equipped with a permanently attached Hubbell closure caps or TA approved equivalent.

3.3.3.6 Weatherproof label shall be permanently attached near the connectors in order to indicate the type, voltage, and amperage of the inlet / outlet.

3.3.3.7 The electrical system shall be equipped with electrical distribution panel(s) with circuit breakers.

3.3.3.7.1 The electrical distribution panel(s) shall be thermal overload protected.

3.3.3.7.2 The electrical distribution panel system shall be equipped with a phase monitoring system for all three (3) phases.

3.3.3.7.3 Electrical circuits shall be provided with automatic Ground Fault Circuit Interrupters.

3.3.3.8 Master disconnect switch(es) shall be provided to turn off all power within the system.

3.3.3.9 A sign shall clearly identify the master disconnect switch.

3.3.3.10 The electrical system shall include an alarm for indicating system malfunctions visible and audible to the operator.

3.3.3.11 The electrical system shall be grounded in accordance with the Canadian Electrical Code CSA C22.1.

3.3.3.12 The container(s) equipped with the electrical distribution panel shall have low mercury containing fluorescent lighting packages consisting of protective lighting fixtures along the ceiling.

3.3.4 Incinerator

3.3.4.1 The combustion chamber shall be capable of being charged by a skid steer loader (Bobcat type vehicle).

3.3.4.2 The operation of any opening, fire doors, and burners shall be interlocked such that loads can not be charged while the combustion chamber is still active.

3.3.4.3 The burners shall be interconnected with safety switches to ensure access door closure, guaranteed ignition, efficient burning and no overheating.

3.3.4.4 The primary combustion chamber shall utilize the maximum volume possible of one ISO container to achieve a batch size of no less than 2000 kg with a minimum volume of 10 m^3.

3.3.4.5 The burning process of one full batch sequence shall be completed in less than 8 hours.

3.3.4.6 The primary chamber burner shall be capable of maintaining a temperature of 850 ºC.

3.3.4.7 The secondary chamber burner shall be capable of achieving a combustion gas residence time of not less than one second at a minimum temperature of 1000ºC.

3.3.4.8 The DSWI shall incorporate a waste oil burner.

3.3.4.8.1 Waste oil burning will be given priority so as to maximize the use of waste oil as the incinerator fuel

3.3.4.8.2 The waste oil tank shall have a minimum capacity of 500 liters and easily accessible for maintenance.

3.3.5 Hopper(s)

3.3.5.1 The hopper(s) shall be capable of storing a minimum of two (2) days or 4000 kg of waste with a minimum volume of 20 m^3.

3.3.5.1.1 The hopper will be charged (by others) directly from the transporting vehicles or with mobile handling equipment (i.e. skid steer), or will receive small amounts of waste, such as classified documents or medical waste, by hand.

3.3.5.1.2 From the hopper, the waste shall be moved into the combustion chamber without further manual handling of the waste.

3.3.5.1.3 The hopper shall be separated from the combustion chamber to prevent premature ignition of material in the hopper, including even the most combustible waste.

3.3.5.1.4 Seepage of liquid or escape of waste out of the hopper shall be prevented during all weather conditions

3.3.5.2 The estimate amounts and types of waste to be stored are outlined in Appendix A.

3.3.5.3 Any shredding, compaction, or other pre-treatment of the waste outlined in Appendix A required by the incinerator shall occur as part of the hopper loading process.

3.3.5.3.1 Any required equipment for that preparation shall be included as part of the DSWI.

3.3.6 Auxiliary Fuel

3.3.6.1 A double walled storage tank, suitable for minimum of three (3) days normal usage of this fuel shall be provided.

3.3.6.2 The DSWI shall be capable of utilizing F34 (JP8) diesel as its fuel source for the burners.

3.3.7 Process Control Panel

3.3.7.1 The process control and monitoring panel shall register all sensors and safety lock-outs on a single display panel such that the whole process is immediately visible.

3.3.7.1.1 All process control, within the panel and on any dials or gauges, shall be displayed as symbols or in English and French.

3.3.7.1.2 All measurements indicated in metric units.

3.3.7.1.3 The panel shall feature alarms audible within the working envelope of the DWSI.

3.3.8 Transportability

3.3.8.1 The DWSI container(s) shall be ISO Type 1 CC (20 ft / 6058 mm length x 8 ft / 2438 mm width x 8.5 ft / 2591 mm height) in travel configuration with ISO interlock corner castings.

3.3.8.2 The DWSI ISO container(s) shall be approved to CSC standard meeting the requirements of ISO-668, ISO-1496-1 and ISO-8323 for Type 1CC shipping containers for land, air, and sea transportation.

3.3.8.3 All containers are subject to off road movement by the military sea container handling units for container handling.

3.3.8.3.1 It is important that the internal fittings, packaging, and dunnaging withstand such conditions, in particular the steep angle of loading and unloading.

3.3.8.4 The DSWI shall be protected from elements and pilfering when in travel configuration.

3.3.9 Identification and Marking

3.3.9.1 Identification Plate

3.3.9.1.1 An identification plate shall be attached to the DSWI containers in accordance with D-02-002-001/SG-001.

3.3.9.2 ISO Container Identification

3.3.9.2.1 ISO Container Identification shall be in accordance with ISO 6346.

3.3.9.3 Canadian Forces Marking

3.3.9.3.1 A Canadian Forces Containerized Unit (CFCU) identification number shall be stenciled to each DSWI container in accordance with D-LM-008-002/SF-001 at seven (7) locations: on each of the six outside walls and inside the main door.

3.3.9.3.2 CFCU numbers will be assigned by DND and provided to the Contractor prior to delivery.

3.4 Specialty Engineering

3.4.1 Preservation

3.4.1.1 The DSWI shall be capable of being preserved with minimal maintenance required during storage / preservation.

3.4.1.2 The system shall be designed to be preserved a minimum period of one (1) year.

3.4.1.3 Manuals shall provide instructions on preparing the DSWI for preservation.

3.4.2 Certifications

3.4.2.1 The containers of the DSWI shall be Convention for Safe Containers (CSC) certified.

3.4.2.1.1 The DSWI containers shall be affixed with CSC plates.

3.4.2.2 All electrical equipment of the DSWI shall be certified in accordance with the Canadian Electrical Code CSA C22.1 and C22.2 as set forth on paragraph 3.3.3.

3.4.2.3 Copies of the certification documents shall be provided to the Technical Authority (TA) prior to delivery.

3.5 Environmental requirements

3.5.1 Rain/wind

3.5.1.1 The DSWI shall be weatherproof and withstand rain without showing any evidence of damage or permanent degradation.

3.5.2 Temperature

3.5.2.1 The DSWI shall be capable of operation, without malfunction, in all climatic conditions with the ambient temperature from -40°F / -40ºC through 122°F / 50°C inclusive.

3.5.2.2 The equipment installed inside a container shall withstand the above temperature range while not operating, such as during storage and transit, and shall be capable of returning to operational condition once the interior conditions are restored to their operational state i.e. once the heating and air conditioning is restored.

3.5.3 Shock/Vibration

3.5.3.1 The DSWI shall remain fully operable, shall suffer no damage, and shall experience no degradation of performance following exposure to rail impact shock and vibration during transportation.

3.5.4 Foundations

3.5.4.1 The DSWI shall be set directly on the ground on a flat surface.

3.5.4.1.1 Specific installation requirements required by the DWSI shall be detailed by the contractor as part of their installation instructions within the manuals.

3.5.5 Environmental Compliance

3.5.5.1 The contractor shall certify that the DSWI is compliant with the environmental requirements as follows:

3.5.5.1.1 The DSWI emissions shall comply with 2001 (CCME) Canada Wide Standards for Dioxins and Furans from Waste Incinerators and Coastal Pulp and Paper Boilers.

3.5.5.1.2 The DSWI emissions shall comply with 2005 (CCME) Canada Wide Standards for Mercury.

3.5.5.1.3 The DSWI emissions shall comply with 2005 (CCME) Canada Wide Standards for Particulate Matter and Ozone.

3.5.6 Environmental Health and Safety

3.5.6.1 The DSWI shall comply with all Canadian health and safety standards in effect.

3.5.6.2 The DSWI shall meet all relevant Environment Canada regulations.

3.5.6.3 The DSWI shall have danger and caution signs, labels and markings on it for warning of specific hazards such as voltage, current, thermal or physical hazards in accordance with Canadian Centre for Occupation Health and International Maritime Dangerous Goods (IMDG) Code.

3.5.6.4 The DSWI shall be equipped with wall mounting bracket(s) for 20 pound fire extinguisher(s) NSN 4210-21-908-1048 (not part of this specification).

3.5.6.4.1 The dimensions of the fire extinguisher are 52.1 cm height x 26.4 cm width x 17.8 cm depth.

3.5.6.4.2 The fire extinguisher wall mounting bracket(s) shall be located in an accessible place inside of the container(s) with the electrical distribution panel(s).

3.5.6.5 A bracket immediately next to the fire extinguisher bracket shall be provided for a First Aid Kit.

3.5.6.5.1 The bracket shall be designed for a kit having the maximum nominal dimensions 19.75-in / 50.2 cm x 16.5-in / 41.9 cm x 5.25-in / 13.3 cm.

3.5.6.5.2 The bracket shall also accommodate a First Aid Kit with dimensions smaller than mentioned above.

3.6 Supportability requirements

3.6.1 Technical Data

3.6.1.1 The Contractor shall provide Original Equipment Manufacturer (OEM) Drawings.

3.6.2 Technical Publications

3.6.2.1 The Contractor shall create and submit publications and technical data for the DSWI.

3.6.2.2 The contractor shall provide a bilingual (English/French) OEM Operation and Maintenance (O&M) manual(s). This documentation shall include:

a. Parts List (with Illustrations);

b. Set-up Check List;

c. Loose Components Check List;

d. Electrical and Water Schematic Diagrams.

3.6.3 Training

3.6.3.1 The Contractor shall provide one (1) training course for a total of five (5) operators and five (5) maintenance personnel.

3.6.3.2 The training course shall be conducted at a company's facilities.

3.6.3.3 The contractor shall provide all training aids and course material to the TA prior to the training.

3.6.3.4 The contractor will provide the classroom and any required ancillary equipment required to conduct the training course (i.e. projector).

3.6.3.5 The training course shall be conducted in English.

3.6.3.6 Contractor is not responsible for DND personnel transportation and lodging costs.

3.6.4 Interim Spares List (ISL)

3.6.4.1 The ISL shall identify spares necessary to support that equipment for the first two (2) months of operation.

3.7 Design and Construction

3.7.1 Workmanship

3.7.1.1 Treatment and Paint

3.7.1.1.1 The preferred exterior colour of DSWI container(s) is green #34094 according to Fed-Std-595C. Prior to fabrication the contractor shall provide to the TA samples of available colours. The TA will indicate DND's colour choice within two weeks.

3.7.1.1.1.1 Coatings shall level out to an adherent, continuous and uniform film without runs, wrinkles, streaks, or areas of no film.

3.7.1.1.1.2 Any coating damaged during assembly or examination shall be touched up. There shall be no areas where rust can accrue.

3.7.1.1.1.3 Finish shall be free of blistering, peeling and chips.

3.7.2 Material definition

3.7.2.1 The DSWI shall be made using new materials and components only.

4.0 VERIFICATION

4.1 Inspection and Acceptance

4.1.1 The Contractor shall produce and deliver the DSWI in accordance with the requirements of this specification

4.1.2 The DSWI shall be considered a complete system. It shall be tested from a system perspective and not as a group of components.

5.0 Packaging and Delivery

5.1 General

5.1.1 The Contractor shall ensure that the DSWI is delivered correctly adjusted, lubricated, and serviced such that the system is ready for operation / transportation.

APPENDIX A

Estimate Numbers for the Waste Stream

1. The solid waste stream produced by a 500 person camp is estimated to produce solid waste in the following amounts:

- personal domestic waste (mixed waste with 75% by both weight and volume considered as other waste and the remainder divided equally among glass, cans, and other metals. Other waste will include PET water bottles). Incinerated waste equals 0.75 kg per day per person.

- kitchen dry garbage (packaging, Polyethylene terephthalate (PET) water bottles, cardboard etc as well as limited amounts of glass, cans and plastics). Incinerated waste equals 0.75 kg per day per person.

- kitchen wet garbage (compacted and de-watered). Incinerated waste equals 1 kg per day per person.

- sewage sludge (de-watered). Incinerated waste equals only minor daily amounts.

- industrial waste (packaging, pallets, other waste lumber, paper, textiles etc) Incinerated waste equals 1 kg per day per person.

- classified documentation – included in the above but requiring visual certification of destruction (classified documents will be visually tracked until combustion chamber door is locked closed and combustion begun. Document custodian will be present when combustion door is first opened). Incinerated waste equals 0.2 kg per day per person.

- waste oil – small amounts

- waste tires – individual tires on occasion. If shredding is required, only 2 shredders are required and will be associated with the same incinerators as the waste oil burners.

- medical waste (clinical items only i.e. gauze, needles. No surgical waste except for walk in surgery) – small amounts on occasion.

Note: PET water bottles are expected to be present in large numbers with each camp occupant expected to consume up to 7 x 1 liter bottles per day. Their presence is reflected in the above totals but their bulk may require shredding. Contractors are expected to consider this aspect.

2. Items that are expected to be separated from the solid waste stream before incineration:

- batteries and other solid metals
- cans
- bottles and other glass

TECHNICAL BID EVALUATION

FOR THE DEPLOYABLE SOLID WASTE INCINERATOR

TECHNICAL BID EVALUATION PLAN FOR THE DEPLOYABLE SOLID WASTE INCINERATOR (DSWI)

1.0 INTRODUCTION

1.1 Scope of Bid Evaluation Plan

This document outlines a plan for bid evaluation. It identifies the technical criteria to be evaluated, their relative weighting, and how they will be scored. Evaluation will be based on mandatory criteria.

1.2 General Form of Proposals

Proposals shall address in clearly organized, printed (i.e., not handwritten) narrative form all subjects identified in this bid evaluation plan. Responses consisting of simple statements of compliance without clear and full supporting detail could prevent proper assessment and result in proposal being rejected from further consideration.

Compliance with all checklists and certifications requested in the Request for Proposal (RFP) document is required to determine the responsiveness of bids.

Proposals also shall include the most recent brochure(s) that provide information on the equipment of similar nature & complexity to the DSWI offered by the bidder.

Proposals shall be submitted in hard copy on white paper. Proposals submitted on CD/DVD or USB Flash drives will not be evaluated and deemed non-responsive.

1.3 General Form of Evaluation

Bid proposals will be evaluated on the basis meeting the mandatory criteria in accordance with the procedures outlined below.

Proposals not satisfying all mandatory criteria will be given no further consideration.

1.4 Contractor Selection

The contract will be awarded to the lowest cost compliant bidder.

2.0 MANDATORY CRITERIA

Responses to the mandatory requirements set forth in this section will be evaluated on a simple, stringent pass/fail basis. Proposals not meeting each and every one of the

mandatory requirements identified in the tables below will be considered non-compliant and given no further consideration.

Bidders are required to respond as set forth in Paragraph 1.2 (above) and, in addition, to initial each check-off box in the table in the Paragraphs 2.1 to indicate their agreement to comply in any resulting contract with the related requirement.

2.1 System Requirements

SOW Paragraph	Descriptive Title of Requirement	Bidder Initials	Reserved for evaluation team
3.1	General		
3.2.1	Performance Requirements - Capability		
3.2.2	Performance Requirements - Deployability		
3.3.2	Physical Properties - ISO Container(s)		
3.3.3	Physical Properties – Electrical System		
3.3.4	Physical Properties – Incinerator		
3.3.5	Physical Properties – Hopper(s)		
3.3.6	Physical Properties – Auxiliary Fuel		
3.3.7	Physical Properties – Process Control Panel		
3.3.8	Transportability		
3.3.9	Identification and Marking		
3.4.1	Specialty Engineering - Preservation		
3.4.2	Specialty Engineering - Certifications		
3.5.1	Environmental Requirements – Rain/wind		
3.5.2	Environmental Requirements - Temperature		
3.5.3	Environmental Requirements – Shock/vibration		
3.5.4	Environmental Requirements – Foundations		
3.5.5	Environmental Requirements – Environmental Compliance		
3.5.6	Environmental Requirements – Environmental Health and Safety		
3.6.1	Technical Data		
3.6.2	Technical Publications		
3.6.3	Training		
3.6.4	Interim Spares List		
3.7.1	Workmanship		
3.7.2	Material		
4.1	Inspection and Acceptance		
5.0	Packaging and Delivery		

2.2 Company Capability

Item	Criteria & Criteria Description	Mandatory Criteria Evaluation
1.	Corporate Experience The proposed contractor shall have the capacity to undertake the type of work contained in the applicable Statement of Work (SOW) and its appendices.	The Bidder shall: a) Provide an overview of the company. b) Provide the company's experience in manufacturing of at least four (4) deployable incinerator systems in the last two (2) years that include work related functions required to perform the work as detailed in the SOW. These functions must include, at a minimum, descriptions of design, engineering, manufacturing, and in-service support capabilities.
2.	Production Plan The proposed contractor shall have the production capacity to complete the requirement.	The Bidder shall: a) Provide a draft production plan that identifies production work phases and milestones for the DSWI. These shall include any potential delays and mitigation plans (i.e. Lost time due to the use of sub-contractor facilities, plant closures, etc.).
3.	Quality Plan Quality control is an element in the completion of the requirement and the contractor shall demonstrate how and where they will apply quality control.	The Bidder shall: a) Provide the company's, and subcontractor's (if applicable) quality assurance procedures including their quality assurance (QA) and quality control (QC) plans.