

UK-Bristol: intelligence, surveillance, target acquisition and reconnaissance

OJ S 219/2012 14/11/2012

Contract notice

Supplies

Directive 2009/81/EC

Section I: Contracting authority/entity

I.1. Name and addresses

Official name: Dismounted Soldier Systems (DSS), DE&S

Postal address: Soldier Systems Programmes, Elm 3b #4325, MoD Abbey Wood (South)

Town: Bristol

Postal code: BS34 8JH

Country: United Kingdom

Contact person: Miss Beverly Reid

E-mail: DESLEComrcl-SSP1a@mod.uk

Telephone: +44 1179134502

Additional information can be obtained from:

the abovementioned address

Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from:

the abovementioned address

Tenders or requests to participate must be submitted: the abovementioned address

I.2. Type of the contracting authority

Ministry or any other national or federal authority, including their regional or local subdivisions

I.3. Main activity

Defence

I.4. Contract award on behalf of other contracting authorities/entities

The contracting authority is purchasing on behalf of other contracting authorities: no

Section II: Object of the contract

II.1. Description

II.1.1. Title attributed to the contract by the contracting authority

Dismounted Equipment Target Locators (DETL).

II.1.2. Type of contract and place of performance or delivery

Supplies

Purchase

NUTS code UK United Kingdom

II.1.3. Information about framework agreement

II.1.4. Information about framework agreement

II.1.5.

Short description of the contract or purchase(s)

Intelligence, Surveillance, Target Acquisition and Reconnaissance. The purchase of Dismounted Equipment Target Locators for Assessment and Trials.

II.1.6. CPV code(s)

35720000 Intelligence, surveillance, target acquisition and reconnaissance

II.1.7. Information about subcontracting

II.1.8. Lots

This contract is divided into lots: no

II.1.9. Information about variants

II.2. Scope of the procurement

II.2.1. Total quantity or scope

The Army has a possible requirement for up to 410 Dismounted Equipment Target Locators (DETL) for close combat operations. DETL provides Infantry Mortar Fire Controllers (MFCs) and Artillery Forward Observation Officers (FOOs) with a robust, lightweight, all weather, 24 hour, dismounted capability for target locating, fall of shot correction and reconnaissance.

Close combat operations are characterised by extreme levels of physical, mental and psychological stress therefore the reduction of equipment size, weight and complexity are of paramount importance to the modern dismounted soldier.

The Authority intends to procure a number of trials equipment from up to four (4) suppliers for the assessment of suitability, against a range of key requirements as laid out in the Systems Requirement Document (SRD). The down select for this will be assessed against technical compliance and trials equipment costs submitted in the PQQ.

Currently the project is only funded for the procurement and assessment of trials equipment. Should the trials prove to be satisfactory with the equipment performing to the requirements laid down in the KUR's below the successful bidders will be Invited to Tender (ITT) subject to funding being available.

At the ITT stage bidders will be asked to supply firm prices for the possible future purchase of up to 410 DETL and any associated support costs that are identified.

All costs accrued by bidders will be at their own risk.

Requirement priorities.

Mandatory:

Mandatory requirements must be met to be considered at PQQ stage for trials and in the ITT for a possible future purchase.

Key:

Key requirements are Mission Critical to the User community. The KURs are assumed to be un-tradable without formal agreement of the URD owners, Head of Capability (HOC) Cap GM and Director Combat (Capability Directorate Combat Army HQ). Trading will require re-submission to the Investment Appraisal Committee.

Requirement measure of effectiveness.

Threshold:

The worst case value, beyond which there will be insufficient operational benefit to justify the requirement.

Objective:

The best case value, beyond which there will be insufficient additional operational benefit achieved.

Key user requirements (KURs).

UR - 1.

Description:

The User shall be able to recognise a static vehicle target in daylight conditions with a 90 % probability at:

Threshold: 4000m.

Objective: 7000m.

Justification: The threshold MoE is based on typical engagement ranges for an MFC A. The objective MoE is based on the maximum range of the 81mm mortar.

Remarks: Recognition is the ability to determine whether an object is similar to others within a category of something already known, e.g. truck, animal, man. Daylight is defined as ambient light levels >20000lx.

UR - 2.

Description: The User shall be able to recognise a static vehicle target in low - light conditions with a 90 % probability at:

Threshold: 900m.

Objective: 2000m.

Justification: Environmental conditions are typical to those experienced on operations. The Threshold MoE is based on the performance of existing in-service capability, Commanders Target Locator (CTL). The Objective MoE is based on the performance of the existing in-service capability, Surveillance System And Ranger Finding (SSARF).

Remarks: Recognition is the ability to determine whether an object is similar to others within a category of something already known, e.g. truck, animal, man. Low-light is defined as ambient light levels approximating ¼ moon (≈10mlx).

UR - 4.

Description: The user shall be able to locate a target which has been acquired at ranges up to 4000m to within:

Threshold: 60m Circular Error Probability (CEP) with 95 % probability.

Objective: 30m Circular Error Probability (CEP) with 95 % probability.

Justification: Target location errors are commensurate with the weapon systems the capability supports. In order for a target to be acquired, the minimum DRI criterion is recognition.

Remarks: 60m Circular Error Probability is Category 4 targeting (31-91m). 30m Circular Error Probability is Category 3 targeting (16-30m). Target location recorded as 10 figure (BNG or MGRS etc) grid reference and altitude in meters.

UR - 12.

Description: The User shall be provided with a capability that can indicate fall of shot (FOS) corrections up to 4000m to within:

Threshold: 50m with 95 % confidence.

Objective: 20m with 95 % confidence.

Justification: Fall of shot corrections are a primary function of the capability.

Remarks: Fall of shot (FOS) corrections are the difference between the FOS and the target, displayed in meters in range and deflection. FOS corrections are made relative to the line of sight to the target from the observer.

UR - 17.

Description: The User shall be able to achieve the daylight DRI requirements (UR - 1) without electrical power.

Threshold: N/A.

Justification: To ensure the basic functionality of the capability is available without the reliance on power or the requirement to carry additional systems.

Remarks: This is expected to be achieved using monocular direct view optics.

UR - 33.

Description: The User shall not have their ability to perform their general tasks impaired when equipped with the Capability, either through increased physical or cognitive burden.

Threshold: User is able to conduct all Battlefield Missions (BFMs) without hindrance, no worse than compared with existing LH40c.

Objective: User is able to conduct all Battlefield Missions (BFMs) without hindrance, better than compared with the existing LH40c.

Justification: Overall operational performance levels must not be reduced by the change from LH40c to DETL.

Remarks: Physical burden includes size, weight, usability and integration with the clothing and equipment worn by the User.

UR - 37.

Description: The User shall be provided with a capability compliant with the Integrated Logistics Support policy defined in DEF STAN 00-600 Issue 2.

Threshold: N/A.

Justification: To ensure compliance with MoD Policy.

Remarks: None.

Mandated user requirements.

UR -5.

Description: The user shall be provided with a robust own position finding capability.

Threshold: Own position provided using Precision Positioning Service (PPS) GPS.

Justification: Compliance with JSP 602 Leaflet 1041 "Procurement of NAVSTAR GPS Receiving Equipment".

Remarks: Own position is expected to be provided by an internal and/or external PPS GPS.

UR - 51.

Description: The User Shall be provided with a capability that can use own position data provided by current in-service external military GPS devices.

Threshold: SPGR, DAGR.

Justification: To ensure that the capability remains available when used within buildings and under overhead cover.

Remarks: In service military GPS receivers are: Special Purpose GPS Receiver (SPGR), Defence Advanced GPS Receiver (DAGR).

UR - 44.

Description: The User shall be provided with appropriate documentation to train, operate and support the Capability through life.

Threshold: N/A.

Justification: To ensure compliance with MoD policy.

Remarks: None.

UR - 48.

Description: The User shall be provided with a capability that is safe to own, operate and dispose of under current environmental and safety legislation.

Threshold: No Class A or B risks. All risks being as low as reasonably possible (ALARP).

Justification: To satisfy the Policy Statement by the Secretary of State for Defence contained in JSP 815 Defence Environment and Safety Management.

Remarks: JSP 815 is the top level policy supported by JSP 375 (Health and Safety Handbook) and in the Land Domain by JSP 454 (Land Systems Safety and Environmental Protection).

Safety Appraisal Case required.

UR - 49:

Description: The User shall be provided with a capability that is made of materials that have minimal impact on the environment if lost or damaged during a battlefield mission, or contain hazardous material that could impact the environment.

Threshold: No concessions. Severity Designation between A – B on IPE Matrix.

Justification: To ensure DETL is compliant with existing UK and EU environmental legislation.

Remarks: JSP 418 is the top level policy supported in the Land Domain by JSP 454 (Land Systems Safety and Environmental Protection). Environmental Appraisal Case required.

Notes:

DETL will be required to interface with the existing in-service SSARF tripod pan and tilt head, with adaptor plate as required. The product details are as follows:

SSARF tripod pan and tilt head:

NSN: 5855-99-213-2212.

Part Number: 00-1201-9016.

SSARF tripod:

NSN: 6650-99-401-5112.

Part Number: 00-1174-9012.

The Authority will give priority to solutions that have embedded Precision Positioning Service (PPS) GPS. The Authority will not exclude solutions that do not have an embedded PPS GPS providing the solution complies with UR-51.

The Authority will give priority to a solution that is robust, small, light and easy to use.

User requirement document.

For a copy of the complete User Requirement Document please request a copy from Miss Beverly Reid. +44 1179134505.

Estimated value excluding VAT:

Range: between 400 000 and 13 000 000 GBP

II.2.2. Information about options

Options: yes

Description of options: Options will be sought for the purchase of 410 DETL and possibly an additional quantity.

II.2.3. Information about renewals

II.3. Duration of the contract or time limit for completion

Section III: Legal, economic, financial and technical information

III.1. Conditions related to the contract

III.1.1. Deposits and guarantees required

III.1.2. Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them

III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded

III.1.4. Other particular conditions to which the performance of the contract is subject, in particular with regard to security of supply and security of information

III.1.5. Information about security clearance

III.2. Conditions for participation

III.2.1. Personal situation

Criteria regarding the personal situation of economic operators (that may lead to their exclusion) including requirements relating to enrolment on professional or trade registers

List and brief description of conditions: Expression of interest (EOI) submission.

An EOI submission must contain the following information to be considered for the next stage of the competition:

- 1 – The EOI submission shall state the name of the organisation showing interest, including contact information.
- 2 – The EOI submission shall contain type of interest shown i.e. OEM; Agent; Consultant; Subcontractor, etc
- 3 – The EOI submission shall contain a technical data sheet of the proposed product(s) to fully meet the requirement specified above.
- 4 – The EOI submission shall contain a declaration of the technology readiness level of the proposed product(s) in accordance with the MOD AOF definitions (<http://www.mod.uk/DefenceInternet/AboutDefence/WhatWeDo/FinanceandProcurement/AOF/>)
- 5 – The EOI submission shall contain a declaration of compliance against UR–17 with evidence.
- 6 – The EOI submission should declare any ITAR & licensing issues associated with the potential future procurement of the proposed product.
- 7 – The EOI submission shall contain a declaration of compliance against all Threshold level Key User and Mandatory Requirements.

III.2.2. Economic and financial ability

Criteria regarding the economic and financial standing of economic operators (that may lead to their exclusion)

List and brief description of conditions: See above.

III.2.3. Technical and/or professional capacity

III.2.4. Information about reserved contracts

III.3. Conditions specific to services contracts

III.3.1. Information about a particular profession

III.3.2. Information about staff responsible for the performance of the contract

Section IV: Procedure

IV.1. Type of procedure

IV.1.1. Type of procedure

Restricted

IV.1.2. Information about the limits on the number of candidates to be invited

Envisaged minimum number 2 and Maximum number 4

IV.1.3. Information about reduction of the number of solutions or tenders during negotiation or dialogue

IV.2. Award criteria

IV.2.1. Award criteria

The most economically advantageous tender in terms of Price is not the only award criterion and all criteria are stated only in the procurement documents

IV.2.2. Information about electronic auction

An electronic auction has been used: no

IV.3. Administrative information**IV.3.1. File reference number attributed by the contracting authority**

DSS/00103

IV.3.2. Previous publication concerning this procedure

no

IV.3.3. Conditions for obtaining specifications and additional documents or descriptive document

Payable documents: no

IV.3.4. Time limit for receipt of tenders or requests to participate

10.12.2012

IV.3.5. Estimated date of dispatch of invitations to tender or to participate to selected candidates**IV.3.6. Languages in which tenders or requests to participate may be submitted**

English.

Section VI: Complementary information

VI.1. Information about recurrence

This is a recurrent procurement: no

VI.2. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
no

VI.3. Additional information

The contracting authority considers that this contract may be suitable for economic operators that are small or medium enterprises (SMEs). However, any selection of tenderers will be based solely on the criteria set out for the procurement, and the contract will be awarded on the basis of the most economically advantageous tender. Suppliers interested in working with the Ministry of Defence should register on the MOD Supplier Information Database (SID) Register, available at www.contracts.mod.uk. The MOD SID is a database of active and potential suppliers available to all MOD and UK Defence procurement personnel, and is the main supplier database of MOD Procurement organisations. Please note: the registration and publication of a company profile on the MOD SID does not mean or imply that the supplier has in any way been vetted or approved by the MOD. Suppliers wishing to compete for advertised MOD contracts must respond to any specific call for competition by submitting a separate expression of interest in accordance with the instructions of the purchasing organisation.

Advertising Regime OJEU:- This contract opportunity is published in the Official Journal of the European Union (OJEU), the MoD Defence Contracts Bulletin and www.contracts.mod.uk GO Reference: GO-2012119-DCB-4376797.

VI.4. Procedures for review**VI.4.1. Review body**

Official name: Dismounted Soldier Systems (DSS), DE&S
Postal address: Soldier Systems Programmes - STA, Elm 3b # 4325, MoD Abbey Wood
(South)
Town: Bristol
Postal code: BS34 8JH
Country: United Kingdom
E-mail: DESLEComrcl-SSP1a@mod.uk
Telephone: +44 1179134502

Body responsible for mediation procedures

Official name: Dismounted Soldier Systems Project Team, DE&S

VI.4.2. Review procedure

VI.4.3. Service from which information about the review procedure may be obtained

VI.5. Date of dispatch of this notice

9.11.2012