EUROCORPS HEADQUARTERS STRASBOURG

G8 BRANCH

PURCHASING & CONTRACTING SECTION

Quartier Aubert de Vincelles – BP 70082 - F67020 Strasbourg CEDEX - FRANCE

CONTRACT 25INV05

ACQUISITION OF HEATING UNITS FOR EC HQ CP-SYSTEM

CONTRACT - PART III

Technical Requirements

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SECTION A - SPECIAL PROVISIONS

1. AIM OF THE CONTRACT

a. This contract aims at renewing the EC HQ heating units for the Command Post in accordance with NATO and EU interoperability-standards, in order to ensure resilience for future assignments and potential deployments

2. DURATION OF THE CONTRACT

a. This contract is intended for a total duration of four (4) years, from 2025 to 2028. Although this project is included and approved in the EC HQ Plan of Investment, EC HQ is funded on an annual basis. Whereas there is every expectation that funds will be made available in future years, funding is only available for the first year of the contract (2025), having to be committed at the beginning of every year on the contract.

b. Moreover, EC HQ reserves the right to cancel the contract in case of Default in accordance with clause 34 to Part II to this contract.

3. MAXIMUM VALUE

a. The overall maximum value of the contract is set to 962,816 € VAT included.

b. For 2025, the maximum amount foreseen is 302,816 €, VAT included.

4. PRICE PROPOSAL

a. Price proposal shall be submitted in accordance with the Price Proposal Template included in Annex A-4 of Part I of this IFIB.

b. The contractor shall detail the following in his price proposal :

(1) Price per unit, tax excluded
(2) Shipping and delivery costs,
(3) VAT rate and any other applicable tax;
(4) Discounts, if applicable.

c. Depending on the delivery costs and the EC HQ availability of means of transportation, EC HQ may decide to pick up the heating units from the contractor's facilities. The Bidder shall specify in his tender:

(1) Dimensions and weight of the heating unit and its package;
(2) Pick-up location.

d. The price is firm for the duration of the contract and shall be set in euros.

5. DELIVERY SCHEDULE

a. This contract aims at acquiring approximately 90 heating units for tents, with a delivery schedule of approximately 20 per year.

b. The delivery time proposed by the contractor in its tender is of contractual value. The delivery time starts from the reception of the purchase order and runs until the delivery to EC HQ. Late performance of delivery can result in penalties as per Part II article 28 of this contract.

c. Deliveries are made to the following address :

QUARTIER GENERAL DU CORPS EUROPEEN
WAREHOUSE
Quartier Lizé
2 rue de Solignac
67100 STRASBOURG

d. Prior to the delivery, the contractor is requested to make an appointment at the following number: +33 (0)6 13 17 48 86

6. PAYMENT

a. Payments shall be made after properly supported and acceptable invoices submitted upon completion of delivery, inspection and acceptance of the goods, as referred in Part I – General conditions.

b. Payments shall be made by bank transfer within 30 days.

7. ENVIRONMENTAL REGULATION

a. The heating units shall comply with all applicable European and French environmental regulations and standards.

SECTION B – STATEMENT OF WORK

1. STANDARDS AND REGULATIONS

a. ISO 9227 – “corrosion tests in artificial atmospheres – salt spray tests”

b. STANAG 2895 – extreme climatic conditions and derived conditions for use in defining design/test criteria for NATO forces materiel

c. STANAG 4370 – AECTP 400 ed.3 “Mechanical environmental tests”

d. NF EN 50291-1 – “electrical apparatus for the detection of carbon monoxide in domestic premises”

e. CEE17 - EU standards on electrical sockets

f. NF EN 60 309 : plugs, socket-outlets and couplers for industrial purposes

2. CONTENT OF THE TECHNICAL OFFER

a. Although the Bidder shall stick to the requested technical specifications, it may also propose improvements that may imply future savings to the EC HQ (maintenance costs, spare parts, etc). All the components of the heating units shall come from the most reliable industrial suppliers.

b. The technical proposal shall contain as a minimum the following subjects
   (1) Delivery timelines
   (2) Technical documentation
   (3) Warranties
   (4) Maintenance guidelines and recommendations
   (5) Spare-part provision policy during the item’s life cycle
   (6) After-sale proposed support
   (7) Basic training proposal
   (8) Required certifications and documentation as per article 5 of this document

3. TECHNICAL REQUIREMENTS

a. The heater will be one-piece type. Each unit will consist of, at minimum

   (1) Distribution and diffusion ducts
   (2) Temperature control with a room thermostat
   (3) Carbon oxide monitor
   (4) Protection cover, made of polyester or polyamide with ant UV and anti-humidity protection. It need to prevent the passage of the forks or access to the chassis handling system. Equipped with a reading window to rad heater's registration number.

b. Physical characteristics

   (1) Composition of the chassis:
      (a) Handles for manual operating

(b) Puncture proof wheels which allows rolling
(c) Hooking system for lifting
(d) Waterproof box which allows instructions storing as well as additional equipment.

(2) Compact structure, stackable and easy to manipulate
(3) Structure of material: aluminium or steel
(4) Transport means are to be installed or provided (installed and integrated lashing points and wheels)
(5) Corrosion protection. All equipment components are to be resistant by nature or by treatment to corrosion tests (96 hours) in artificial atmospheres in accordance with standard ISO 9227
(6) Paint. The paint applied to the heater, transportation and accessories box must be uniform and of the same shade throughout, whatever the type of surface (metal, composite materials, plastics, etc.).
(7) Color: the unit, accessories and transportation box must be NATO GREEN (RAL 6031). Exceptionally, the equipment may have parts of the bodywork or external components painted matt black.

c. Components

(1) Flexible air distribution system for reaching the tents from the outside as well as distributing the air inside;
(2) Warm air distribution ducts:
(a) Semi-rigid, consist of a textile envelope trapping thermal insulation and a frame steel wire coil;
(b) Able to be folded up in the storage/ transport position;
(c) Junction between heater and duct must be simple, solid and sealed;
(d) Implementation of ducts does not require any tools;
(e) Air intake and outlet with the possibility of connecting uninsulated flexible pipes 0 of hoses 200 mm to 400 mm;
(f) Number of ducts insulated exterior - 2;
(g) Air ducts length - 3 m;
(h) Air distribution system should be installable in a convenient way
i If it is warm on the ground floor
ii If it is cold along the roof inside of the tent.
(i) To allow mounting of the duct in other configurations a kit is supplied together with heater unit. It is composed of:
(j) Plastic coated cable with a tensioner and a hook at its ends;
(k) Carabineers
(l) Lines at least of 10 cm of length allowing the cable to be held under the attachment points.

d. Logistic constraints

(1) Maximum weight: 200 kg with all accessories
(2) Dimensions. The unit will have optimized dimensions for packaging in a 20-foot ICC container (number of heating units per container should be at least 15).
(3) Handling. It must be possible to handle the hot air generator:
(a) By manual handling by four people.
(b) By lifting;
(c) By forklift truck
(d) By rolling flat and/or wheelbarrow on soft ground.
(e) Small lifting devices.

(f) Stack-ability preferred up to 2,39m height;

(4) Installation and operation can be performed by one person.

(5) Storage. The hot air generator must be stored without any special preparation.

(6) Power source:

(a) Power supply: Infrastructure network or generator: 230 V, 50 Hz; connection via CEE17 socket for industrial use 16A - IP 67 or connection via NF 16A - IP 44 socket.

(b) Fuels: F54 diesel and F63 with additives

(7) Fuel consumption < 4 liters per hour

(8) The operation must be with jerry cans (NATO) as well as external fuel tanks. The fuel pipes for jerry cans and external fuel tanks must have a quick coupling system.

(9) Effective heating performance, at least 30 kw measured in the heater exit.

e. Maintenance

(1) It must be possible to maintain equipment in operational conditions simply and easily with a minimum of resources, in particular without complex specific tools.

(2) The use of standard components will be favored to facilitate the supply of spare parts.

(3) The design of the equipment must facilitate the accessibility and maintainability of the main components.

(4) The risk of error during reassembly operations is avoided by the use of devices such as polarizing pins, color codes, instruction labels, etc.

(5) Components that need to be removed frequently are directly accessible, enabling rapid intervention.

(6) The frequency and duration of maintenance operations are kept to a minimum.

(7) The burner reset must be possible with an external button. As well as an external interruption signal must be visible at least hearable.

f. Environment constraints

(1) Environment Temperature will range from -32 °C [STANAG 2895 Category C1(Intermediate Cold)];

(2) Environment Humidity: 0 - 100 % [STANAG 2895 - C1(Intermediate Cold)];

(3) Heating unit have to be operational outside in severe weather conditions and environments (rain, snow, dust) with a minimum IP code of 54 without any additional protection;

g. Training/Education: Basic training provided by producer in the EC compound in Strasbourg.

h. Security

(1) The equipment will be designed and manufactured in compliance with all current regulations and safety standards.

(2) In addition to the mechanical and electrical safety devices used on industrial equipment, the hot air generator will be supplied with a self-contained carbon monoxide (CO) detector with a minimum operating life of 10 years (certified NF EN 50291).

(3) The noise level measured in the tent under nominal operating conditions will be less than 70 db(A) at a distance of 1 meter from the hot air generator.

(4) The exhaust gases exit must have a minimum high of 2 meters.

(5) In case of a CO alert the system needs to stop immediately

i. Other technical aspects

(1) All the components will be industrial and in accordance with the EU regulations: CEE17, NF EN 60 309 and NF EN 60 309-1
(2) Item warranty: 2 Years;
(3) Lifespan: min. 15 Years. Spare Parts supply needed during item life cycle;
(4) Heating unit is capable to withstanding the vibration tests simulating road travel described in AECTP 400 (edition 3) "ANNEX A 401, Figure A-1 Ground wheeled common carrier test description" STANAG 4370;
(5) The heater unit, when in use is entirely placed outside the tent and is connected to it by two insulated ducts. Installation of heater does not lead to any modification of the tent. The blow of a heated air is made by a flexible duct fixed to the ridge in order to obtain a comfortable temperature inside the tent;
(6) Serial number of the heater must be reflected both in the heater and the box be written on the box.

4. DOCUMENTATION

a. EC Declaration of Conformity

b. Diagram indicating the center of gravity of the heating unit

c. Certificate attesting of a sound level measured in the tent under nominal operating conditions of less than 70 db (A) at 1 meter drawn up by an approved organization

d. Certificate issued by an approved organization that the equipment meets the requirements of "Ground wheeled common carrier test description" Spectrum of the AECTP 400

e. All documents related to the product's offer, certificates, handbook, and manual's instruction must be written in English language. Documents have to be laminated and delivered with each heating unit. Cover page lists the various documents and provides the type and registration number of the heating units

f. The offer must include a spare part provision policy during item life cycle