EUROPEAN DEFENCE AGENCY

Question/Answer nr2

14.ESI.OP.101 Smart Energy Camp

	Question	Answer
1	1 - Is the contractor to provide a diesel generator as part of this proposal to act as the main/transitional provider or it will be supplied by Camp Koulikoro?	Yes, contractor should provide a diesel generator Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
2	2 - What size is the generator currently used in Camp Koulikoro and what is its fuel burn curve?	Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
3	3 - What is the power demand that the SESMN EEC is required to support (in kW)?	Military unit of 150 personnel with regular power consumption needs (ablutions, accommodation etc.). Expected power demand the SESMN EEC (D) will be required to support: 40 kW
4	4 - Will the SESMN EEC be required to power all or part of the camp?	The SESMN EEC will be required to power part of the camp

5	5 - Is there an electrical schematic available of the current camp laydown?	No Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
6	6 - Only 380V 3 phase is mentioned. Do we assume that 220V single phase is also required?	See 2.4.2.2
7	7 - What other voltage outputs are required by the system?	None
8	8 – Can the EDA provide power connection interface details for the SESMN EEC?	No. Tenderers are invited to propose solutions to be evaluated with the tenders Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
9	9 - Is there a demand profile of the operational Camp available?	Military unit of 150 personnel with regular power consumption needs (ablutions, accommodation etc.). Expected power demand the SESMN EEC (D) will be required to support: 40 kW
10	10 – Can the EDA provide details of the total budget for the Optional Requirements as detailed in the RFP?	Budget for the product with basic requirement is maximum 450KEUR Budget for the product with basic requirement + all options is maximum 1 000 000 EUR
11	11 - Can the EDA confirm what support (security, transport, accommodation, etc) is to be provided within the Demonstration phase of this contract or should it be assumed that nothing is available and the Options should be costed as	It should be assumed that nothing is available and the Options should be costed as such

	such?	
12	Should we consider the site Mali-Koulikoro for sizing and simulation for both cases (basic and basic+optional ?)?	Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
13	Does the SESMN EEC supply the whole military camp?	The SESMN EEC (D) will be required to power part of the camp
14	What is the load profile for each mode: main ; transitional ; emergency ?	Military unit of 150 personnel with regular power consumption needs (ablutions, accommodation etc.). Expected power demand the SESMN EEC (D) will be required to support: 40 kW Transitional and emergency should be defined accordingly and upon selection of the military unit the SESMN EEC (D) will be deployed. Tenderers should consider this element in their tenders
15	What is the existing configuration and the equipments that can be reused ?	There is no such a system currently available Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
16	Is there a contractual unavailability indemnity in case the awarded tenderer is not able/available to sign the contract? How much is it?	No penalty, the second in the ensuing ranking could be awarded
17	What is the minimum footprint of the deployment field available for the SESMN EEC?	Military unit of 150 personnel with regular power consumption needs (ablutions, accommodation etc.). Expected power demand the SESMN EEC (D) will be required to support: 40 kW No information about the minimum footprint of the deployment field is available since it will be defined accordingly and upon selection of the military unit

		the SESMN EEC (D) will be deployed. Tenderers should consider this element in their tenders
18	Type, power and quantity of gensets currently used	There is no such a system currently available Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
19	Windturbine : taking into account the quick deployment on site, is a concrete basement possible?	No
20	Is it in only a demonstrator for basic and a fully operational system for optional or is it a fully operational system already for basic ?	It is a fully operational system already for basic
21	How many people in the camp ?	Military unit of 150 personnel with regular power consumption needs (ablutions, accommodation etc.).
22	How many buildings ?	Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
23	Are we going to receive all q&a received and given by EDA ?	Yes, all Q/A during the tendering period are of general interest.
24	Could you please clarify the information stated on page 44 of Financial Identification Form -	Yes, they can just be inserted into the main document. Yes, they have to be provided in Autodesk DWG

	Tender 14.ESI.OP.101 “Smart Energy Camp", regarding the requirements of the delivery format. The above document refers to the soft copies to be delivered in either MS Word or Adobe PDF together with embedded images, drawings, lists and tables. There are separate file format specifications regarding images, drawings, lists and tables. Does that mean all the embedded documents have to be submitted separately in the original (JPEG, DWG, etc.) or they can just be inserted into the main document. Particularly I am interested in the drawing: do they have to be provided in Autodesk DWG only?	only
25	In the Specifications attached to the Invitation to Tender 14.ESI.OP.101 “Smart Energy Camp”, page 60, Annex VI, there’s a reference to Financial Identification Form, that is attached as a separate document. The Form is also mentioned on page 7 and page 63 of the above document. We are unable to locate the above mentioned Form and we will be grateful if you can provide a copy.	Please click here after to access the document: http://ec.europa.eu/budget/contracts_grants/info_contracts/financial_id/financial_id_en.cfm
26	For the total budget is there a co-founding necessary?	No
27	After finalization of the contract after 12 months must all components remain in the property of EDA or is there a possibility to have them on loan-basis.	No loan is foreseen in this call for tender

28	What is the maximum power produced by the auxiliary power unit	Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed
29	Could you tell us if the system has to meet for a modular requirement? (for exemple several arrival of solar panel)	Yes it does
30	Could you tell us what is the expected maximum power produced by the wind turbines?	Open, to be evaluated under technologies in the award criteria
31	Could you tell us the maximum power produced by the solar panel	Open, to be evaluated under technologies in the award criteria
32	At 2.2.1.3 **By To+5 months** the following shall be delivered: ı Delivery of the SESMN EEC (D) including **functional demonstration** to an address in Europe (address to be confirmed during the project) ı SESMN EEC (D) warranties ı 1 Set of Spare Parts absolutely necessary for the SESMN EEC (D) demonstration period ı 1 Set of consumables absolutely necessary for the SESMN EEC (D) demonstration period ı SESMN EEC (D) System Documentation What is included here ? System installation only ? System comissionning ? Complete demonstration for 1 to several days, 12 weeks ? 12 months ?	See 2.2.1.3

33	*Page 11 of tender specification, Integrated novel energies (ex hybridation with modular topologies)* Would it be possible to have sample topologies at low level but also camp level, to illustrate requirements, and answer to help comparing solutions ? Is there a minimal number for the types of energy to be considered ? Is there a minimal energy amount to be considered as available in the camp and a minimal energy to be added by the SESMN EEC. Are there breakdown constraints between the different types of energy ?	Please note that reference to Mali-Koulikoro training camp in 2.2.1.6 and 2.2.2.11 is used only for pricing purposes related to the specific paragraphs without pre-assuming that Mali-Koulikoro training camp will be the military unit where the SESMN EEC(D) will be finally deployed No No No
34	*Page 11 of tender specification* *Distribution network Sub System* What is the distribution network : delivery of cables, energy distribution boxes, … ?	See 2.4.1.30
35	**Page 22** *of tender specification* **High level functional requirements of an energy supply network in a deployed camp** Can we have a schema summarizing the several main features expected for energy deployed in a military camp. We would appreciate to show how to set up the demonstrator on different combination of the energy providers or meet the requirements of several representative functional energy consumers	Please note that this is a description of main energy feature for a military camp but do not consider that the system demonstrated should fulfil these requirements. Tenderers may propose in their tenders solutions upon the technical requirements of the tender as described in paragraphs 2.4 to 2.14
36	**Page 22 point** 2.3.2.1.1*of tender specification* Energy provision in a deployed military camp consists of three main features: ı **Main Provide**r– The feature that ensures appropriate supply of energy to all services in normal operating conditions ı **Transitional Provider**– The intermediate feature that ensures that in case of loss of the Main Provider, energy will continue to be supplied to selected services in an uninterrupted fashion until the Emergency Supply feature is	Please note that this is a description of main energy feature for a military camp but do not consider that the system demonstrated should fulfil these requirements. Tenderers may propose in their tenders solutions upon the technical requirements of the tender as described in paragraphs 2.4 to 2.14

	operational ı **Emergency Provider**– The feature that supplies selected services for a limited time once the Main Provider has been lost We understand these reqts are a description of main energy feature for a military camp but do not consider that the system demonstrated should fullfill these requirements. Should we understand it can take part of each kind of energy provider ; for example could the system demonstrated add some diesel genrators to the orignial camp generators, and with what topology constraints. 2.4.1.7 M 24	
37	**Page 24 point** 2.4.1.7.of the *tender specification* *Renewable inverters to inverter DC power into AC grid-synchronous power (Due to the requirement for innovative solutions, Tenderers may propose in their Tenders alternative solutions which ensure the overall requirement of the contract)* Is it possible to clarify the meaning of 'a renewable inverter', should it be understood as an inverter for renewable energies ?	Yes,it should be understood as an inverter for renewable energies
38	Point 2.4.1.12 page 25 of t*ender specification* The Conversion Function shall enable efficient conversion of energy: -From Source Carrier to Distribution Carrier -Between different forms of the Distribution Carrier Is it possible to clarify the meaning of Source Carrier and Distribution Carrier : is it the local energy provider with its fixed energy network. Or the additional provider from the renewable energy.	Both, the local energy provider with its fixed energy network and the additional provider from the renewable energy
39	Point 2.4.2.2. page 26 of t*ender specification* **The smart management energy supply/demand system** is aimed to perform at least the following functions: • To be used to both for **three-phase and single-phase** supplies ı **Prioritisation** of critical systems in emergency power situations; system to	Unit, with the meaning of a military entity There is no agreed definition of critical systems but is context dependent

	be possible to be controlled from a central point **avoiding manual intervention** • Control of power demands in the **unit:** - Switching power demands **on and off** by centralised **user intervention** - Switching power demands **on and off** according to **pre-set timers** - Switching power demands **on and off** according to **pre-set priority levels and a target demand Level** What is the meaning of Unit : a military or operational entity or energy node in the system. Is there an agreed definition of critical systems or is it context dependant ?	
40	Point 2.4.2.10. page 27 of t*ender specification* **Renewables sources** should be able to be **integrated** into the camp power network and can be plugged anywhere in the **unit** What is the meaning of a 'unit' … an military or operational entity or a technical node in the SEMSMN D?	Unit, with the meaning of a military entity
41	Point 2.4.2.19a. page 27 of t*ender specification* SESMN EEC (D) shall enable **input of energy** from a **source** carrier What is meant by source carrier ?	Source carrier, with the meaning of the local energy provider
42	Point 2.4.2.20. page 28 of t*ender specification* SESMN EEC (D) shall ensure compatibility with **other types of hydrocarbon based fuels** What is meant by hydrocarbon based fuels?	Optional requirement for compatibility of the SESMN EEC (D) with alternative hydrocarbon based fuels
43	Point 2.4.6.1.. page 30 of t*ender specification* SESMN EEC (D) shall be able to operate in **Climatic Zones A1 to C2** inclusive as defined in DEF Is it allowed to adapt the configuration of the SESMN according to the climatic zone ?	Yes