

EMBASSY OF THE ARAB
REPUBLIC OF EGYPT
DEFENCE ATTACHE OFFICE
ANKARA



سفارة جمهورية مصر العربية

مكتب ملحق الدفاع

أنقرة

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Date : 14.02.2012
No : 187 / 12



No : 2012-G-3218
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SAVUNMA SANAYİ MÜSTEŞARLIĞI
ANKARA

Mısır A.C. Büyükelçiliği Savunma Ataşelik Ofisi saygılarını sunar ve EK'te (16/2012/AF/4) No.lu teklif isteği sunulduğunu teknik özellikleri belirtilen (MOBILE TACAN SYSTEM) ile ilgili bu alanda uzmanlaşmış üretici firmalar tarafından teknik özelliklerinin belirtildiği bir teklifin aşağıda belirtilen adrese en kısa zamanda sunulmasını rica eder.

MISIR SAVUNMA ATAŞELİĞİ - ATATÜRK BLV 126 - K.DERE – ANKARA

- 1- Ücretler Mısır'a ihraç olmak üzere : F.C.A.
- 2- Teknik özellikleri içeren 2 adet İngilizce katalog, en az 1 adet fiyat teklif listesi .
- 3- İhalenin geçerli olma süresi : 31.07.2012
- 4- Finans Kaynağı : -----
- 5- Mısır'a ihraç olma süresi : 120 Gün
- 6- Ödeme Şekli : Akreditif
- 7- Eğitim ile ilgili istekler : Teklifte yer alan isteğe göre
- 8- İstenilen kataloglar : Teklife özel
- 9- İhaleye son katılım tarihi : 15.03.2012

Mısır A.C. Büyükelçiliği Savunma Ataşelik Ofisi bu vesile ile en derin saygılarını yineler ve ülkelerimiz arasındaki ilişkileri geliştirmek amacıyla göstermiş olduğunuz ilgiye teşekkür eder.

Tuğg./ Aymen ELGENAIDY
Mısır A.C. Savunma Ataşesi

INQUIRY FOR PRICES
THIS IS THE REQUEST FOR QUOTATION (RFQ)
ON THE ITEMS NUMERATED HEREIN

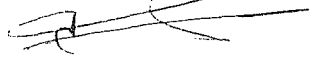
TACAN SYSTEM

NO.
DATE
QUOTATION MUST BE IN
BY
THIS INQUIRY COMPLIES NO
OBLIGATIONS TO THE PORT
OF THE BUYER
IF SUBSTITUTES TO OFFERED
MAKE FULL EXPLANATION

FOR SHIPMENT TO
DELIVERY : F. O. B.
TERMS NET CASH
KEEP ONE COPY FOR YOUR FILES

DATE OF SHIPMENT CAN BE MADE
TO BE SHIPPED FROM
DATE:
RETURN ONE COPY WITH FULL INFORMATION

ITEM NO.	QTY	ITEM AND SPECIFICATION	UNIT	LIST PRICE OF UNIT	DISC O-UNT OF FER D	NET UNIT PRICE	WT.
1	2	3	4	5	6	7	8
	1	<u>MOBILE TACAN STATION</u> TO BE USED FOR NAVIGATION AIDS, AS STANDERD TACAN SYSTEM IMPLIES HELPING AIRCRAFT IN HOMING TO THE AIRPORT.					

SIGNATURE: 
MAJ. GEN. SAYED HASAN ABD-
ELRAHMAN KASSAB
CHIEF, AVIATION EQUIPMENT
DEPARTMENT
EGYPTIAN AIR FORCE
PURCHASING AGENT.

THE UNDER SIGNED OFFERS, THE
PRICES TERMS,
AND DELIVERY TERMS HEREIN

SET FORTH

BY:

SELLER SIGNATURE

INQUIRY FOR PRICE
THIS IS THE REQUEST FOR QUOTION ON THE ITEMS
ENUMEROTED HERE IN
FIXED BASE TACAN SYSTEM

NO
DATE
QUOTATION MUST BE IN
BY
THIS INQUIRY COMPLIES NO OBLIGATION TO THE
PORT OF THE BUYER IF SUBSTITUTES TO OFFERED
MAKE FULL EXPLANATION

FOR SHIPMENT TO
DELIVERY F.O.B
TERMS NET CASH
KEEP ONE COPY FOR YOUR FILES INFORMATION

DATE OF SHIPMENT CAN BE MADE
TO BE SHIPPED FROM
DATE %
RETURN ONE COPY WITH FULL

EM O.	QTY	ITEM AND SPECIFICATION	UNIT	LIST PRICE OF UN.	DISCO- NNT OF FERD	NET UNIT PRICE	WT.
1	2	3	4	5	6	7	8
		<p><u>I- TECHNICAL SPECIFICATIONS:</u> <u>1- GENERAL:</u> A - The station <u>must</u> complies with stanag 5034, MIL STD 291 and ICAO ANNEX 10. B - The station <u>must</u> be suitable for independent siting, no civil work required for installation. C - The station <u>must</u> be dual rack configuration, one is standby for the other. D - The station <u>must</u> be fully solid state, no electron tubes, magnetrons, klystron, ... etc are used, the frequency of the system is synthized generation. E - It is preferable to have the demand mode of operation included in the station. F - The station should be worked in field for two years ago at least, a certificate of the supplier should be provided. G - The system should contain dependable integrated monitoring system. H - Modular system construction with easy replaceable or plug-in subassemliies. I - Easy maintenance is preferable. J - The system should have the ability to do a self test and give an information about the expected faults. K - History logging facility is preferable. L - Remote maintenance should be available.</p> <p><u>2- Shelter:</u> A - The shelter <u>must</u> be military standard, with sufficient room for the equipments, (main, auxialary and accessories), also the room of the shelter should be sufficient for doing the maintenance and repair of the system modules in ease. B - The shelter <u>must</u> have dual high quality air conditioning units 220 Vac / 50 Hz, each has a power sufficient to compansate the heat emision of the system. C - The shelter <u>must</u> have at least the following accesories, battery box, fire distinguisher, ladder for antenna maintenance if necessary, table, chair, shelf cupboard sufficient for the spare parts, smoke detector, first aids, distribution panels, wiring diagrams. D - The shelter <u>must</u> be mounted on a trailer with stablizing jacks, combatible with road and C-130 transportation.</p>					

3- ANTENNA:

High gain electronically scan antenna is preferable.

4- Back-up power:

The station must be equipped with the following:

A - Grand brand back-up generators (like KOHLER, CATERPILLAR, DEUTZ, ONAN, ... etc), mounted on the same trailer and equipped with ATS to start the operation of generators in case of main power failiure. The generators should satisfy the operation of hot wheather. counteries and fully independent operation (equipped with battery chargers, heaters, ... etc).

B - Back-up battery system with an independent battery charger and sufficint to uninterrupt the operation of the system for at least four hours in case of main power and generator failures.

5- LOGISTIC SUPPORT:

The supplier must assure to provide technical support for 15 years (spare parts, personal technical support, if required).

6- TEST EQUIPMENTS AND ACCESSORIES:

The station must be equipped with digital multimeter, oscilloscope, power meter, special tools, magnetic compass, printer, laptop and any other necessary test equipments needed for doing self test by the operator (like probes, connectors, ... etc).

7- DOCUMENTATION:

A - The station must supplied with a complete set of English manuals, hard copy and soft copy, the set should cover the system installations, general information, operation process, schedule maintenance, corrective maintenance, troubleshooting, block diagram, circuit diagram illustrations, circuit level description, breakdown spare parts list, etc.

B - The station should be supplied with a complete set of English manuals, hard copy and soft copy, illustrate the general information, operation process, schedule maintenance, corrective maintenance, troubleshooting, block diagram, circuit diagram illustrations, circuit level description, breakdown spare parts list, etc. for generators, ATS and back-up battery system.

C - Three additional complete sets of manuals, hard copy and soft copy, described above (Both A & B) should be provided.

8- TRAINNING:

A - Two trainees for four weeks, at the factory, for installation, operation and current maintenance level.

B - Two trainees for 8 weeks, at the factory, for intermediate maintenance level.

9- FACTORY ACCEPTANCE TEST:

A - Factory acceptance test, at the factory, for two officers for two weeks.

B - A complete acceptance test procedures including all permissable limits of measurments should be provided.

10- SPARE PARTS:

A - The station must be supplied with two years site spare parts for the stations, generators, ATS and distribution panels for On-site repair these spare parts should be recommended from the supplier.

B - The supplier should provide a spare parts that are sufficient for organizational and intermediate maintenance level for two years of usage, the list should be provided with the offer.

C - The supplier should provide a recommended priced spare parts list for a station for five years.

11- WARRANTY:

The warranty must be for 18 months, at least, starting after receiving the equipments and commissioning which should be done by the factory technicians.

12- PREVIOUS EXPERIENCE:

A - The supplier should provide a certificate of his previous experience in selling TACAN stations.

B - The supplier should provide a certificate of his previous experience in selling the proposed model of TACAN station.

C - The previous history of the supplier with EAF in delivering TACAN stations.

D - The previous history of the supplier with EAF in dealing after delivery.

13- OPERATIONAL SPECIFICATIONS:

A - Number of channels; 252 synthesised selector channels with X and Y mode of operations.

B - Receiver frequency range; 1025 - 1150 MHz

C - Receiver sensitivity; at least -94 dBm for 70% reply efficiency.

D - Transmitter frequency range; 962 - 1213 MHz

E - Transmitter frequency stability; $\pm 0.001\%$ or better.

F - Coverage range; at least 150 NM.

G - Traffic capacity; 100 aircrafts for distance information and unlimited number of aircrafts for bearing information.

H - Peak output power; the better is the higher.

I - Distance accuracy; less than ± 15 meter.

J - Reliability:

(1) MTBF; the better is the higher.

(2) Time required for site installation and operation; the better is the least.

(3) high reliable station power supply, in other words, the power supply should be many modules shared together to not interrupt the system operation in case of failure of any.

(4) Multi-stage modular power amplifier with a fail soft basis, in other words, the power amplifier should be many modules shared together to not interrupt the system operation in case of failure of any.

K - Elevation of antenna main beam peak; 25 deg.

L - Bearing accuracy; up to + 1.5 deg.

M - Power requirements; 220 / 380 Vac $\pm 10\%$, 50 Hz.

14 - Enviromental conditions:

The station must remained working in a good proper operation under the following conditions:

A - The operating temperature range from -10 °C up to + 65 °C.

B - The relative humidity up to 97 %.

C - The wind speed up to 70 knots, specially for antenna and mast.

15 - TECHNICAL ASSISTANCE:

A - On job training (OJT) is required during and after installation.

B - A technical assistance visit by an expert is required during the period of guarantee, if needed.

