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EMBASSY OF THE ARAB
REPUBLIC OF EGYPT
DEFENCE ATTACHE OFFICE
ANKARA



سفارة جمهورية مصر العربية

مكتب ملحق الدفاع

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No : 498/ 11

SAVUNMA SANAYİ MÜSTEŞARLIĞI
ANKARA

Mısır A.C. Büyükelçiliği Askeri Ataşe Ofisi saygılarını sunar ve EK'te (16/2011/OV/8) No.lu teklif isteği sunulduğunu teknik özellikleri belirtilen cihazlar 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

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|----|--|---|-----------------------------------|
| 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 ve anlaşma şartları. | : | |
| 3- | İhalenin geçerli olma süresi | : | 30/06/2012 |
| 4- | Finans Kaynak | : | 2011/2012 Mali Yılı |
| 5- | Mısır'a ihraç olma süresi | : | En kısa zamanda |
| 6- | Eğitim ile ilgili istekler | : | Sözleşme esnasında
Görüşülecek |
| 7- | İnceleme Şekli | : | Sözleşme esnasında
görüşülecek |
| 8- | İhaleye son katılım tarihi | : | 21.05.2011 |

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

Yrb./ Mohamed ABDELAZIZ
Mısır Savunma Ataşe Yardımcısı

Attachment (A)

1-DELIVERY : *The contractor undertakes to receive and return all deliverable contracted items to the stores of main workshop of calibration at Almazah.*

2.INSPECTION : *Will be performed by Egyptian representatives according to general conditions line No. 10 .*

3. PAYMENT : *Shall be according to terms agreed upon contracting time .*

4. TAXES AND DUTIES : *All taxes , duties dues and charges outside of the A.R.E. to which the contractor is liable shall be borne by the contractor. taxes , duties and charges in the A.R.E. shall be born by GOE .*

5. GENERAL CONDITIONS :

1. The object of attachment (A) is that the contractor shall calibrate all the contracted items (as specified by attachment "B") in accordance to ISO 17025/2005 requirements mentioned in the attachment (B), which form an integral part of this attachment and must be signed .
2. The contracted items will be received by and submitted to the stores of main workshop of calibration located at Almazah with an acceptance test sheet certify that these equipments work properly without any damage or failure before and after the calibration process.
3. The calibration process will be done in (TWO) separated phases (6 months at least between each other) to ensure that the main workshop of calibration has calibrated standards all the time .
4. The calibration process will be done in an European National Institute, of Standard or accredited laboratories for the calibrated Instruments factories for example (National lab ,FLUKE ,.....).

5. One or at most Two Laboratory location will be chosen to achieve each calibration phase during the contract.
6. All calibrated equipments certificates contents (coefficients, readings and uncertainty values analysis with the calibration methods that have been used in the calibration process) must comply with ISO 17025/2005 requirements
7. The contractor must ensure the safety of the contracted items , do safe packing before shipping and ship them back and fourth by air .
- 8.The contractor should submit a copy of shipping and insurance documents to the main workshop of calibration after shipping the equipment to calibration laboratories.
9. The Contractor shall be solely responsible for any damage, failure or get lost for any equipment If any of contracted got damaged or lost after being received by the contractor the contractor have to supply (a new similar one or a latest version)calibrated item with the same specifications within six months from the date of receiving items.
- 10.A qualified officer has to attend the calibration process in each laboratory , to ensure the arrival of equipments to the lab. and confirm that the original calibration certificate for each equipment has been issued from the lab.
- 11 .The Contractor must inform the A&A department with travelling date and the Lab. Invitation card for inspection by 45 days at least.
- 12.The period between the date of certificate of calibration to the date of submitting to A&A stores after the calibration process must not exceed one month .
- 13.The period cycle between the receiving and the returning date of the equipments from A&A stores not exceed three months.
14. According to ISO 17025/2005 Don't write the DUE date in all the calibration certificate .
15. Items (13,14,15,16) calibrated in one phase together as an integrated system in one lab.

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 مقيم / تامر محمد بوفيق

عضو اللجنة
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 مقيم / محمد البراهيم النجار

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 مقيم / الهيثم بنسلى محروس

Attachment (B) (without prices)

No.	NAME	MODEL	CALIBRATION DESCRIPTION	QT.
1	Calibrator	5720A	DC Voltage: Ranges :220 mV to 1100V AC Voltage: Ranges: 2.2 mV – 1100 V at Freq. 40Hz,1KHz,20KHz, 100KHz,300KHz and 1MHz Dc Current: Ranges: 220 μ A – 2.2A Ac Current :Ranges: 220 μ A – 2.2A at Freq. 40Hz ,100 HZ, 1KHz , 5 KHz and10 KHz Resistance: From 1 Ohm to 100 M Ohm	2
2	Amplifier	5725A	AC Voltage: Output 300,600 V at Freq .40Hz,1KHz , 20KH and 100KHz. 1000 V at frequencies : 40 Hz ,1KHz , 20KHz Dc Current: ranges 220 μ A – 11A Ac Current : ranges 220 μ A – 11A at Freq. 40Hz,100 HZ , 1 KHz and10 KHz	2
3	AC measurement Std.	5790A	Ranges :2.2 mV,7mV,22mV,70 mV, 220mV, 700mV, 2.2 V , 7 V , 22 V, 70 V , 220 V, 700V and 1000 V At frequencies: 10Hz,40Hz,500Hz,1KHz,10KHz ,50KHz,100KHz,500 KHz and1MHz For both AC measurements and AC/DC voltage transfer difference.	2

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No.	NAME	MODEL	CALIBRATION DESCRIPTION	QT.
4	Multimeter	3458A	DC Voltage Ranges: 100 mV to 1000V AC Voltage: Ranges 100 mV – 1000 V At Freq. : 40Hz,1KHz,20KHz, 100KHz, 300KHz and 1MHz Dc Current: Ranges 100 nA – 1A Ac Current : Ranges:100 μ A – 1A at Freq. 40Hz,1 KHz and 10 KHz Resistance: From 10 Ohm to 1GOhm	2
5	DC Voltage Standard	732B	For uncertainty less than or equal 0.3ppm	2
6	Standard resistance Set (11 items)	742A	1 Ω , 1.9 Ω , 10 Ω , 100 Ω , 1K Ω , 10K Ω , 19K Ω , 100K Ω , 1M Ω , 10M Ω , 19M Ω	1
7	Oil Standard resistance Set (3 items)	42XX series	1m Ω , 10m Ω , 100m Ω	1
8	RF CONTROL UNIT	1805B	Calibration Certificate Includes :- 1- Dc voltage test 2- Measurement of substituted power in DC for each range (0.5mW to 10mW) 3- Certificate has the logo of accreditation of the I.A.B 4- Calibration all over the range 5- Certificate without date 6- Make data base CD contain the calibration result tables can be loaded to the automatic software system (sure cal program) on the computer 7- Make hard & soft copy of the calibration certificate.	1

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التوقيع

نقيب / محمد ابراهيم النجار

عضو اللجنة

التوقيع

نقيب / ايهاب نبيل محروس

No.	NAME	MODEL	CALIBRATION DESCRIPTION	QT.
9	DUAL type iv power meter	1806	Calibration Certificate include: 1-Bolometer current meter calibration Measurement of the out put voltage resistor(200Ω)and the resistor of the bolometer (100Ω &200Ω) 2-Certificate has the logo of accreditation of the LAB 3- Calibration all over the range. 4- Certificate without due date. 5- Make data base CD contain the calibration result tables can be loaded to the automatic software system (sure cal program) on the computer. 6- Make hard& soft copy of the calibration certificate.	1
10	Precision attenuation Set (3, 6, 10,20, 30, 60 db) Set (6 items)	AS9918	- Calibration Certificate Includes :- a) Frequency, Attenuation losses. b) range 10MHZ-300MHZ c) range 300MHZ-1GHZ d) range 2GHZ-18GHZ - Number of calibration points is at least : a) Two points of MHz range b) 1 GHz step for the rest of the range	1
11	Thermistor mount	478A	Calibration Certificate Includes :- 1-Cal factor& Reflection coefficient S11 (magnitude and phase) 2-Two points of MHz range & 1 GHz step for the rest of the range(up to 10GHz) 3- Certificate has the logo of accreditation of the LAB 4- Certificate without due date. 5- Make data base CD contain the calibration result tables can be loaded to the automatic software system (sure cal program) on the computer. 6- Make hard& soft copy of the calibration certificate.	1

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عضو اللجنة

() التوقيع

نقيب / ايهاب نبيل محروس

No.	NAME	MODEL	CALIBRATION DESCRIPTION	QT.
12	Power Sensors (5 items)	8481A M1120 1807A M1110 M1118	Calibration Certificate Includes :- 1-Cal factor& Reflection coefficient S11 (magnitude and phase) Frequency range :0.3GHz to 18GHz 2- Tow points of MHz range&1GHz step for the rest of range. 3- Certificate has the logo of accreditation of the LAB 4- Certificate without due date. 5- Make data base CD contain the calibration result tables can be loaded to the automatic software system (sure cal program) on the computer. 6- Make hard& soft copy of the calibration certificate.	1
13	Absolute pressure system pistons (2 items)	APX - 50 2 pistons (10)& (20) bar	1- Calibration of the 2 pistons in national accredited lab which satisfying the ISO 17025 /2005 with uncertainty not exceed the uncertainty of LNE lab 2- The certificate must include : a) Determination of the effective area of the piston - cylinder assembly with uncertainty. b)The pressure distortion coefficient and its uncertainty c)The thermal expansion coefficient of each piston- cylinder and its uncertainty . d)The masses of the pistons with uncertainty . 3-The company will be responsible for the following : a) Assembly and disassembly of the all system by a qualified person . b) Training for assembly and disassembly of the all system c) Make a complete run to calibrate a UUT using the system with uncertainty calculation . d) One visit to the sight during the contract period (1 -year) to make sure of proper function of the system	1

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No.	NAME	MODEL	CALIBRATION DESCRIPTION	QT.
14	Temperature measuring system	AOIP ITI7T	Calibration of the Device in national accerdited lab which satisfying the (ISO 17025 /2005) With uncertainty not exceed the uncertainty of LNE lab - Certificate ofcalibrating the device include results of the deviation of temprature and Ohm at the following immersions (240,240,190,240,190)mm at the coresponding temprature points (0C°,20C°,20C°,0C°,0C°).	1
15	Primary pressure balance weight set (APX -50)	Weight Set	-Calibration of the Mass set that consists of : a) 8 main masses of 10 Kg each b)one main carrier bell for the 10kg masses, it also weighs 10kg c)4 divisional masses of 2 Kg each d)one divisional carrier bell and one transfer carrier bell, the total weight of those two bells is 2 Kg e)14 fractional masses to give a total weight of 2047 g - Calibration in national accerdited lab which satisfies the (ISO 17025 /2005) requirements and with uncertainty not exceed the uncertainty of LNE lab -All the calibration results expressed in conventional mass	1
16	Vacuum Manometer	MKS PR4000-S2V1N	-Calibration of the Device in national accerdited lab which satisfies the (ISO 17025 /2005) requirements with uncertainty not exceed the uncertainty of LNE lab -The calibration is performed in 2 – cycle by increasing pressure levels between (0.5 : 10 Pa).	1

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