QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City DOST Trunkline: 837-2071 local 2220 / 2221 13-201G

Supplier:	PHILAB I	INDUSTRIES, INC.	P.O. No.:	GF-E-188-2013			
Address:	7487 Bagtii Makati	Date: May 14, 2013 Makati Date: May 14, 2013 Mode of Procurement: Public Bidding					
PO-08-9			PR # 08-2013-0015	ASC #			
entiemen:			1 11(# 00-2010-0010	ASC#	127-2013		
Please fu	irnish this o	ffice the following articles	s to the terms and conditions	contained herein			
lace of Del	ivery:	ADMATEL Bidg.		Delivery Term:	Six (6) m	onths	
ate of Deliv	very:			Payment Term:	7.		
Stock No.	Unit	De	scription	Quantity	Unit Cost	Amount	
1	unit	b. Conventional trans	ons: nsmission electron microsco smission mode bright field an	y 1 De d dark field imagin	48,080,618.00	48,080,618.00	
* PRODUCE	MENT STATE	d. HR STEM resoluti e. CCD Camera Syst f. With magnification g. Cocling Water unit	tem standards t	•			
		h. Compressor (silen i. TEM Plasma/ion cl j. Basic and Advance k. Support PC II Technical Specifica A . Machine Features 1. Electron Gun	eaner (low energy oxygen-ai Courses tions	gon mixture)			
		1.2 Field emission maximum be maximum be 1.3 High tilt angle 1.4 Spot drift < 1.5 Beam stoppe 2. Detection System 2.1 STEM detection	er facility should be included em	mitter with high lent resolution	ligh-Angle		
		An	nular Dark Field Detector) ar	nd software (Scann	ngn-Angle, ned Imaging Technic	ا ام دمیر	
age 1 of 4		il and	d can be retrofitted if necess	ar	egg rooming	, <u>M</u>	
	int in Words	5)	· · · · · · · · · · · · · · · · · · ·	 -	· ·		
In case o very day o	of failure to r f delay shall	make the full delivery wit l be imposed	hin the time specified above,	a penalty of one-to	enth (1/10) of one p	ercent for	
		**		Very Truly you	rs,		
onforme:	-		•				
·~	(Signa	iture over printed name)					
loguisiais i	05	(Date)					
equisitioni	ng Office/De	ept. Funds Availa	able:	Amount ALOBS No.			
						PO form/PPS/mel	

QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City DOST Trunkline: 837-2071 local 2220 / 2221

			unkline: 837-2071 local 22	220 / 2221		
	PHILAB IN	DUSTRIES, INC.	P.O. No.:	GF-E-18	8-2013	
Address:	7487 Bagtikan Street, SAV, City of		Date:	May 14,2013		
	Makati		Mode of Procurement:	Public Biddin	a ·	
PO-08-9						
Gentlemen:	<u>:</u>		PR # 08-2013-0015	ASC#	127-2013	
	urnish this of	ffice the following articles to	Alaba American Santa Santa (1997)			
Place of De	livery:	ADMATEL Bldg.	the terms and conditions			
Date of Deli				Delivery Term:	Six (6) n	nonths
Stock No.	Unit	Descr	iption	Payment Term:	12-14-0-1	T
			Total Carried Forward	Quantity	Unit Cost	Amount
		2.1.2. High sensit 2.2 EDS Detector	ivity HAADF system detec	tor		48,080,618.00
			nardware and software req	uire for both		
		qualitativ	e and quantitative EDS an	ulle lui bulli alveis as wall as	i Ene	
	1	spectrum	ı imaging	laiyois as well as l	 	
		· ·	Silicon drift detector 80 mi	m ² or lower:		
		2.2.3. Liquid nitro	gen free cooling system	i		
		2.2.4. TEM system	n equips the special apert	i ure to eliminato th	hookaround	
		2.2.5. One berylling	ım holder (double-tilt type)	for FDS shall be	provided :	
		3. Imaging System	(22200 111 1900)		provided	
			mation limit (1.5 nm or bei	: tter\		
		3.2 Magnification	(EF) TEM: up to 1.5Mx			
		3.3 CCD and Ene	rgy Filter available			
		3.4 TEM point res	olution: 0.23 nm or better,	lattice: 0.1 nm		
	_	3.5 Secondary Ele	ectron Image / Backscatte	red Electron Imaa	; e	
		4. Vacuum System				
		4.1: Ion Getter Pu	mp or Sputtering Ion Pum	p on specimen are	: 9a	
		for contami	nation-free observation an	nd analysis		
		4.2 Turbo molecu	lar of Diffusion pump for pi	re-pumping colum	n,	
•			ecimen airlock			
		4.3 Vacuum level	s: specimen chamber 1-2x	: 10-5 Pa. oun 1v1:	: 0-8 Pa	
		4.4 Anti-contamin	ation system with heater n	oust he equipped	in	
		order to av	oid contamination and kee	n the hest vacuur	n condition	
	-	4.5 Double O-ring	system	555. 74544	in condition	
		5. Specimen Chambe				
		5.1 The holder en	ables the specimen to be	tilted in two direct	ions	
		perpendicu	lar to each other, one (who	ose angle depend	s on the lens)	
	İ	around the	main tilt axis, the second	one (+/-30°) aroui	nd the Y-axis	\ \d\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Page 2 of		5.2 The second ti	t is read out and displayed	d with 0.1°		
	unt in Word					
over day o	of failure to n	nake the full delivery within	the time specified above, a	a penalty of one-te	enth (1/10) of one p	ercent for
every day o	r delay shall	be imposed		• •		
		•				İ
				Very Truly your	s,	
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Conforme:						
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	(Signature over printed name)					
		,,	and the second			
		(Date)				
Requisitioni	ng Office/De			Amount		
				ALOBS No.		
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INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City

		DOSTIT	runkline: 837-2071 local 2	220 / 2221]	
Supplier:	PHILAB INDUSTRIES, INC. P.O. No.:			GF-E-188-2013			
Address:	7487 Bagtikan Street, SAV, City of		Date:	May 15, 2013			
	Makati	,	Mode of Procurement		9		
PO-08-9		•					
Gentlemen:	en ·		PR"# 08-2013-0015	ASC#	127-2013		
-		ce the following articles to	the terms and conditions	contained besite.			
Place of De		ADMATEL Bldg.	the terms and conditions	Delivery Term:	e: (c)		
Date of Deli	- (-			Payment Term:	Six (6) r	nontns	
Stock No.	Unit	Desc	ription	Quantity	Unit Cost	Amount	
			Total Carried Forwar		Offic Cost	48,080,618.00	
			er controlled specimen mo			40,000,010.00	
			maximum tilt for each X				
		5.4 Piezo control		2 bota tin position		ļ.	
			ller: minimum step of 0.4	Anastroms or hette	! *		
		6. CCD System					
•			& live view acquisition;				
			ibilities depend on the bra	nd and type of CCI	: Dicamera:		
			bly manufactured by the				
			d out of arbitrary areas;	i company		1	
		6.4 Gain and bia					
		6.5 Variable exp	· ·		•		
		6.6 Image proces					
		,	ze is 8MB or higher				
		7. EDS spectroscop					
			olay - no software limit on	i number of spectra	eneray cursors		
		or energy	windows per display or th	number of display	energy cursors, wwindows all dier	lau l	
		parametei	s (colors, styles, etc.) are	uiser-definable	y wiridows, all disp	nay	
			tion/labeling (KLM maker				
		7.3 Automatic pe		7			
			manual energy calibration				
			to spreadsheets for user (
			in portable formats for in				
		software pa	ckanes	iport into two other			
			ble mode-immediate/view	.i rvadd/avorago			
					1000-1		
			v adjustable dwell time an		- 1000S),		
		7 10 Automotio	nt can be recorde#during energy calibration	series acquisition;			
Page 3 of	A nages					()//	
(Total Amo	unt in Words)	7. Fr Automatic I	resolution measurement;		<u> </u>		
In case		ake the full delivery within	the time specified above	; a penalty of one-to-	enth (1/10) of one	percent for	
			•				
		•		Very Truly you	rs		
Conforme:							
1	(Signat	ure over printed name)	-	•			
	(Oigilat	oro over printed name)					
		(Date)					
Requisition	ning Office/De		le:	Amount			
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				ALOBS No.			
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QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Trunkline, 837-2071 local 2220 / 2221

.13- 201 60

Supplier:	PHILAB INI	OUSTRIES, INC.	P.O. No.:	GF-E-188	3-2013	- 121
Address:	drace			G. E-100-2013		
AJUIESS.	7487 Bagtikan Street, SAV, City of		Date:	May 15, 2013		
	Makati		Mode of Procurement:	Public Bidding]	
	-					
PO-08-9						
			PR.# 08-2013-0015	ASC#	127-2013	
Please fo	urnich this af	Gaa 45 = 5-11				
Place of Del	inoru	and the following articles to	the terms and conditions			
Date of Deli		ADMATEL Bldg.		Delivery Term:	Six (6) m	onths
Stock No.				Payment Term:		
S'OCK NO.	Unit	Desc	ription .	Quantity	Unit Cost	Amount
			Total Carried Forward			48,080,618.00
		7.12 Multiple least	squares analytical peak fitti	ing .		1
		7.13 Quantitative a	nd semi-quantitative analys	sis using		
•		standards av		Less: VAT	2,146,456.16	/
Philip 1		7.14 ZAF and thin i	ilm corrections	· EWT	429,291.23	2,575,747.39
END-USER	•	7.15 Real time disp	lay of processed elementa		1	45,504,870.61
MAM.	۸	maps and lin	e profiles .			
Mille		7.16 Any portion of	raw spectral data can be s	tored at each scar	1	
DR. HESSIE	A. BASILIA	position (spe	ectrum images) for post pro	cessing.		1
		7.17 Imaging signa	ls and spectroscopic signal	ls from all	•	ļ
		detectors ca	n be acquired simultaneous	slv		İ
CHARGE TO	O :	7.18 Multiple sets o	of standards available		·	
•			k selection of fixed beam li	: ne or area-scanne	d	
Dev': of SFE	E/HNT as	spectroscop	ic acquisition from multiple	user-defined area	· .	
Die-Attach N	Material in	8. PC System	· · · · · · · · · · · · · · · · · · ·	· ·	3	
Semiconduc	ctor	i	rdware requirement are:			
Devices		Computer System	n: Intel i7 or better. Memo	nr. SCR DAM		
		OS: Windows 7	or better - Display: 2 ünits			
		Storage: 1 TB HI		23. NO LED		1
			d, CD RW, Mouse, etc. with	Baaloon doordd		
PREPARED	BY:	Computer equiva	elent to PC requirements as	т васкир т иліт іар	ριορ	
	,	B Application/Training S	rent to PC requirements as	above		
100	1 - 11		upport: Dispatch of a TEM	specialist ·		
Beck	N SIKI	C Installation: from of the	fluent in English Language	9		1
RGCHEEL LEI	E C. DELUTA	. mossesser to see or cha	arge. This includes supplies	s and materials tha	may b e deemed	
1.		D. Training: Off-harm trail	nodate the proper installation	on and operation o	f the equipment	
0.0	OIC-PPMS D. Training: Offshore training in Japan for one (1) personnel per year for three (3) years					
	E. Warranty: Three (3) years on parts and services (TEM), One (1) year on parts and					
		service (EDS)				
Fage 4 of 4	l name =	r. Un-site application sup	poort by a Specialist with P	hD Degree and flu	ent in English	1
		Language for every t	hree (3) months for two (2)	years.		
	ant in Words		n five hundred four thousar	nd eight hundred s	eventy pesos & 61	/100
levery day o	or railure to n	nake the full delivery within be imposed.	the time specified above,	a penalty of one-te	onth (1/10) of one p	ercent for
cvery day o	i delay shall	ue imposed.				
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		•		Very Truly your	S,	
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Conforme:				YHHYGA 03	עלו	
l		•	<u>U</u> I	R. NUNA/E. ALMA	INZOR	
	(Signature over printed name)					
!	(Oigna)	are over printed name)				
		(Data)	-		•	
Paguis ition	ing Office/De	(Date)			· · · · · ·	
i rednisitioni	ing Office/De	pt. Funds Availabl	e:	Amount	(J. 4x, 03	D, 618-1
1 1	A MMA		()	ALOBS No.	20130500	, p-1
DR. B	ESSIE VA E	ASILIA SOL	EDAD & DEVEC		201500 00	18 /
=1,	Chief-MSD		EDAD S. REYES			
L	PINCIPIAIOD	/	Accountant IV	<u> 1: </u>	,	PO form/PPS/mel