

**SINDH PUBLIC PROCUREMENT REGULATORY AUTHORITY**

**CONTRACT EVALUATION FORM**

**TO BE FILLED IN BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF WORKS, SERVICES & GOODS**

- 1) NAME OF THE ORGANIZATION / DEPTT. Third World Center for Chemical Sciences, International Center for Chemical and Biological Sciences, University of Karachi.
- 2) PROVINCIAL / LOCAL GOVT./ OTHER Semi-government, autonomous body
- 3) TITLE OF CONTRACT Purchase of chemicals/glassware & scientific equipments
- 4) TENDER NUMBER TWC-PSF-HEC-120112
- 5) BRIEF DESCRIPTION OF CONTRACT Purchase/import of carrying out research work
- 6) FORUM THAT APPROVED THE SCHEME Director, I.C.C.B.S.
- 7) TENDER ESTIMATED VALUE N.A.
- 8) ENGINEER'S ESTIMATE (For civil works only) N.A.
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) N.A.
- 10) TENDER OPENED ON (DATE & TIME) 12-1-2012
- 11) NUMBER OF TENDER DOCUMENTS SOLD (Attach list of buyers) Seventeen
- 12) NUMBER OF BIDS RECEIVED Sixteen
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS Seven
- 14) BID EVALUATION REPORT (Enclose a copy) Already mailed on 29-2-2012
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER List of summary enclosed
- 16) CONTRACT AWARD PRICE N.A.
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> EVALUATION BID). 1st evaluated
- 18) METHOD OF PROCUREMENT USED :- (Tick one)
- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE   Domestic/ Local
- b) SINGLE STAGE – TWO ENVELOPE PROCEDURE
- c) TWO STAGE BIDDING PROCEDURE
- d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE

PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED i.e. EMERGENCY, DIRECT CONTRACTING ETC. WITH BRIEF REASONS:

Director, I.C.C.B.S.

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT \_\_\_\_\_

20) WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

Yes  No

21) ADVERTISEMENT :

i) SPPRA Website  
(If yes, give date and SPPRA Identification No.)

Yes	S.No. 10540; ID: 6155/2011
No	

ii) News Papers  
(If yes, give names of newspapers and dates)

Yes	
No	NO

22) NATURE OF CONTRACT

Domestic/  
Local  Int.

23) WHETHER QUALIFICATION CRITERIA  
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes  No

24) WHETHER BID EVALUATION CRITERIA  
WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?  
(If yes, enclose a copy)

Yes  No

25) WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A  
METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Yes  No

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes  No

27) WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED  
BID / BEST EVALUATED BID (in case of Consultancies)

Yes  No

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY  
COMPLIANT?

Yes  No

29) WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT AT  
THE TIME OF OPENING OF BIDS?

Yes  No

30) WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF  
CONTRACT?  
(Attach copy of the bid evaluation report)

Yes  No

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY**  
INTERNATIONAL CENTER FOR PHARMACEUTICAL & BIOLOGICAL SCIENCES

31) ANY COMPLAINTS RECEIVED  
(If yes, result thereof)

Yes	
No	NO

32) ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS  
(If yes, give details)

Yes	
No	NO

33) WAS THE EXTENSION MADE IN RESPONSE TIME?  
(If yes, give reasons)

Yes	
No	NO

34) DEVIATION FROM QUALIFICATION CRITERIA  
(If yes, give detailed reasons.)

Yes	
No	NO

35) WAS IT ASSURED BY THE PROCURING AGENCY THAT THE SELECTED FIRM IS NOT BLACK LISTED?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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36) WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCY TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:  
(If yes, enclose a copy)

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
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38) SPECIAL CONDITIONS, IF ANY  
(If yes, give Brief Description)

Yes	
No	NO

39) Date of Award of Contract: 19-3-2012

Signature & Official Stamp of  
Authorized Officer

*Malik*  
**Sr. Professor**  
**ICCBS**

**FOR OFFICE USE ONLY**

**H.E.J. Research Institute  
of Chemistry  
University of Karachi**

**SPPRA, Block. No.8, Sindh Secretariat No.4-A, Court Road, Karachi**  
Tele: 021-9205356; 021-9205369 & Fax: 021-9206291

Direct Fax & Phone (Purchase & Store): (92) 021-99261789  
 Phone (Direct): (92) 021-34819011  
 Fax (Main Office) : (92) 021-34819018, 34819019

E-mail: store@iccs.edu  
 store.iccs@hotmail.com

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY**  
 INTERNATIONAL CENTER FOR CHEMICAL & BIOLOGICAL SCIENCES

UNIVERSITY OF KARACHI, KARACHI-75270, PAKISTAN  
 Tel: UAN: 111-222-292, (92-21-34824901, 34824902, 34824930, 34824934, 34824936) Ext. 108, 109, 154, 159

P.O. No. 1203 PURCHASE ORDER / WORK ORDER Date: 19-3-2012

Messrs: Musafi Islam 2 Sons Fore # 32626257

Ref: Your quotation No. M/S/9967/2012 Tandu TWC-PSE-HEC <sup>120112</sup> Dated: 12-1-2012

Subject: Supply of chemicals to Dr. S. Abid Ali

Please supply the following articles to the institute. H.O.C. Project of Dr. S. Abid Ali

S.No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	DNase Agar Cat # CM321 Oxoid, U.K.	500g	11500/- (500g)	11500	00
2.	Glucose (Analytical & high purity) Cat # GL0127 Scharlau, Spain	1kg	1800/-	1800	00
3.	Agar Agar (Technical) Cat # L-13 Oxoid, U.K.	2x500g	3850/- (500g)	7700	00
4.	Phenal Cat # FE0479	1L	3400/- (1L)	3400	00
5.	PCR Plates (96 wells) Cat # 6551 Corning USA	2x25	5500/- (25Pcs)	11000	00
6.	Eppendorf Tubes (1.7ml) Cat # 3690 Corning USA	2x1000	4000/- (1000Pcs)	8000	00
7.	Eppendorf Tubes (0.5ml) Cat # 3750 Corning USA	2x1000	4250/- (1000Pcs)	8500	00
E. & O.E.			TOTAL	Rs.	5790000

(Rupees) Fifty one Thousand Nine hundred only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within 12 days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*[Signature]*  
 PURCHASE OFFICER

*[Signature]* 19/3/12

Direct Fax & Phone (Purchase & Store): (92) 021-99261789  
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P.O. No. 1201 PURCHASE ORDER / WORK ORDER Date: 19-3-2012

Messrs: Merck (Pvt.) Ltd. Fax # \_\_\_\_\_

Ref: Your quotation No. MA-01-2012 Tender TWC-P&F-Mec-1201/2 Dated: 6-12-2011

Subject: Supply of chemicals & Consumables to Dr. S. Atiq Ali

Please supply the following articles to the institute. H.E.C Project of Dr. S. Atiq Ali

S.No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	Agarose LG cat # 5.17402.0100	100g	5800/- (100g)	5800	00
2.	Perfect Protein MKR 10-25kDa cat # 69079-3	one	14800/- (ea)	14800	00
3.	Perfect Protein WSTRN MKRS cat # 69959-3	one	7500/- (ea)	7500	00
4.	Perfect Protein MKR 15-150kDa cat # 69149-3	one	14200/- (ea)	14200	00
5.	Fibrinogen Bovine Plasma cat # 341573	1 gm	25000/- (1g)	25000	00
6.	Fetuin Fetal Bovine Serum cat # 341506	1 gm	23000/- (1g)	23000	00
E. & O.E.		TOTAL	Rs	90300	00

(Rupees) Ninety Thousand Three hundred only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within 4 days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*[Signature]*  
 PURCHASE OFFICER

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PURCHASE ORDER / WORK ORDER  
 P.O. No. 1202 Date: 17-3-2012  
 Messrs: Analytical Measuring System Fara # 35345582  
 Ref: Your quotation No. 360/LT/HS/11-12 Tawal TWC-PS-HEC <sup>120112</sup> Dated: 9-12-2011  
 Subject: Supply of Consumables to Dr. S. Abid Ali  
 Please supply the following articles to the institute. H.E.C. Project of Dr. S. Abid Ali

S.No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	Sample Buffer, Laemmli 2X Concentrate	10VL	5600/- (10VL)	5600	00
E. & O.E.			TOTAL	Rs.	5600 00

(Rupees) Five Thousand Six Hundred  
only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within 10 days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*[Signature]*  
 PURCHASE OFFICER

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PURCHASE ORDER / WORK ORDER

P.O. No. 1210 Date: 28-3-2012

Messrs: Penicon Fax # 34835579

Ref: Your quotation No. Tendr NO. TWC PSF HEC-120112 Dated: 12-1-2012

Subject: Supply of chemicals to Dr. S. Abid Ali from his

Please supply the following articles to the institute. H.E.C Project

S.No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	6X Bromophenol Blue/xylene Cyanol DNA Loading Dye Part No. 28157 Mergen	1ml	3606/- (1ml)	3606	00
2.	Water DEPC Treated Cat # DD1005 Bio Basic	500ml	3480/- (500ml)	3480	00
3.	0.5bp-10kb Ladder ready to use Cat # M101R-1 Bio-Basic	1x100 loads	6000/- (ea)	6000	00
4.	50 bp DNA Ladder Cat # 13525	2x100 loads	6200/- (ea)	12400	00
5.	Troglusacetic acid Cat # TC8960 Bio Basic	2x 50ml	11948/- (50ml)	23896	00
6.	Protein Markers, 10-225 kDa Cat # 76740 Affymetrix	500ul	12000/- (ea)	12000	00
7.	Phenol: Chloroform: Isoamyl Alcohol (25:24:1) Cat # 75231 Affymetrix	400ml	15660/- (400ml)	15660	00
E. & O.E.			TOTAL	Rs.	77,042 00

(Rupees) Seventy Seven Thousand Four  
Two only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within 12 days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*Am*  
*Shabir Ahmed*  
 PURCHASE OFFICER

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P.O. No. 1731 PURCHASE ORDER / WORK ORDER Date: 19-3-2012  
 Messrs: Continental Worldwide Trading Company Pvt 34390476  
 Ref: Your quotation No. Tench NO-TWC-PSE-HEC-120112 Dated: 10-1-2012  
 Subject: Supply of Scientific equipment to Dr. S. Abdulali

Please supply the following articles to the institute.

S. No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
i.	Water Distillation Assembly Model: WS-6 Gwakar Jafan	one	60000/- (ea)	60000.00	
E. & O. E.			TOTAL	Rs. 60000.00	

(Rupees) Sixty Thousand only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within.....10.....days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*[Signature]*  
 PURCHASE OFFICER



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1232

PURCHASE ORDER / WORK ORDER

P.O. No. \_\_\_\_\_ Date: 19-3-2012

Messrs: DJ Scientific Fax # 34964742

Ref: Your quotation No. DISCI/2012 Tender TWE PS-HEC-12012 Dated: 12-1-2012

Subject: Supply of Scientific Appliances to Dr. S. Habibullah

Please supply the following articles to the institute.

S. No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	Safe Lock Tubes 1.5ml Cat # NS-C-4240 Novascotia Labware Inc.	4x500 (Pcs)	725/- (500P)	2900	00
2.	Safe Lock Tubes 0.5ml Cat # NS-C-4239 Novascotia Labware Inc.	2x1000 (Pcs)	1200/- (1000P)	2400	00
E. & O. E.			TOTAL	Rs. 5300	00

*Wahid  
20/3/2012*

(Rupees) Five Thousand Three Hundred only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within 12 days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*KW*  
*Shahid Ahmed*  
 PURCHASE OFFICER

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PURCHASE ORDER / WORK ORDER

P.O. No. 1230

Date: 19-3-2012

Messrs: Biosciences International Fax # 34365639

Ref: Your quotation No. Term No. TWC-PCF-HEC-120112 Dated: 12-1-2012

Subject: Supply of Scientific Apparatus to Dr. S. Abid Ali

Please supply the following articles to the institute.

S. No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	Mechanical Adjustable Pipettes Research Plus, Adjustable Cat # 3120 000.011 (0.1-2.5ul) Eppendorf	2	20000/- (ea)	40000	00
2.	Research Plus, Adjustable 0.5-10ul Cat # 3120.000.020 Eppendorf	2	20000/- (ea)	40000	00
3.	Research Plus, Adjustable 10-100ul Cat # 3120 000.046 Eppendorf	2	20000/- (ea)	40000	00
E. & O. E.			TOTAL	Rs.	120000 00

(Rupees) One hundred Twenty Thousand only

Please submit your bill in duplicate for payment.  
 Please Note: Kindly supply the goods within 10 days/weeks from the date of receipt of this P.O., if you fail to supply the goods within given time period, a penalty @ 0.50% per day on the total order amount will be imposed.

*[Signature]*  
 PURCHASE OFFICER

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1229

PURCHASE ORDER / WORK ORDER

P.O. No. \_\_\_\_\_

Date: 17-3-2012

Messrs: The Worldwide Scientific Fax # 042-37500018

Ref: Your quotation No. WWW/HEJ/188 Tender TWC-For-Proc-19018 dated: 12-1-2012

Subject: Supply of chemicals & kits to Dr. S. Abid Ali.

Please supply the following articles to the institute.

S. No.	PARTICULARS	QUANTITY	RATE	AMOUNT	
				Rs.	Ps.
1.	Gene Ruler 1kb DNA Ladder 5x50ug Cat # SM0311 Fermentas	1 Vial	10375/- (ea)	10375	00
2.	Fast Digest-Small 200 react Cat # FD0664 Fermentas	200 react	9625/- (ea)	9625	00
3.	Fast Digest Hae III (BSRI) Cat # FD0154 Fermentas	400 react	7650/- (ea)	7650	00
4.	Phosphatidylcholine (Lecithin) Cat # A581.1 Carl Roth	100 gm	3600/- (100g)	3600	00
5.	PCR tubes 0.2ml Thin Wall Plate Cap Cat # H702FC Nyx TECHNIK USA	2x1000 Pcs	2500/- (1000P)	5000	00
6.	Roli Labo. Micro Test Plates, Cat # 9293.1	2x100	12600/- (100P)	25200	00
7.	Horizontal Electrophoresis Syst. Cat # MS CHOICE 15	<del>27300</del> one (ea)	29300/- (ea)	29300	00
E. & O. E.			TOTAL	Rs -	90750 00

(Rupees) Ninety Thousand Seven hundred  
Eighty only

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*An Shabbir Ahmad*  
 PURCHASE OFFICER

**International Center for Chemical and Biological Sciences**  
**University of Karachi, Karachi-75270, Pakistan**

Ph # : 0092-21-34819011  
Fax # : 0092-21- 99261789  
E-mail: store.iccs@hotmail.com

Date: 02-04-2012

M/s. Analytical Instrument Services,  
Office # 3, 1<sup>st</sup>, Floor, Plot No. 49,  
Sector 23, Korangi Industrial Area,  
Karachi-74900, Pakistan.  
Tell: (92-21) 35122849, 35417865  
Fax : (92-21) 36706184

Dear Sir,

Please find enclosed herewith an advance bank draft no. 9211772 / 60022 dated 31-03-2012 amounting to U.S. \$: 990/53 against your Proforma Invoice No. SSC dated 02-03-2012 of your Principal M/s. Amresco Inc., U.S.A. for supply / import of Chemicals by air freight. It is requested that the arrangements may kindly be made for early shipment of consignment. Please acknowledge the receipt.

Thanking you,

Yours truly,

  
**WAHEED AHMED**  
Purchase & Store Advisor

**SWIFT MESSAGE MT - 103**

TO	DEUTSCHE BANK DEUTDEFF	<b>DATED: 31.03.2012</b>
FROM	UNITED BANK LTD UNIVERSITY CAMPUS BRANCH (1146) KARACHI	
TYPE	MT - 103	SINGLE CUSTOMER CREDIT TRANS
20:	SENDER'S REFERENCE	OFTT/1146/74/12
23B:	BANK OPS. CODE	CRED
32A:	VAL DATE/CURRENCY/AMOUNT	31-03-2012 (EURO) <b>EUR=792/-</b> <b>EUR:SEVEN HUNDRED NINTY TW</b>
50K:	ORDERING CUSTOMER	INTERNATIONAL CENTRE FOR CHI BIOLOGICAL SCIENCES (I.C.C.B.S) UNIVERSITY OF KARACHI KARACHI ACCOUNT NO. 358-0003-3
52A:	ORDERING INSTITUTION	UNITED BANK LTD, UNIVERSITY CAMPUS BRANCH (11 UNIVERSITY OF KARACHI. KARACHI
57D:	ACCOUNT WITH INSTITUTION	NAME OF BANK : BANCO DE SABA .IBAN : ES84 0081 5283 3400 0100 040 BIC : BSABESBB
59:	BENEFICIARY CUSTOMER	NAME OF CUSTOMER : M/S J.P. SEI AUTOVIA A-2, KM, 585, 1-08630 ABI (BARCELONA-ESPANNA), SPAIN
70:	REMITTANCE INFORMATION	IMPORT OF SCIENTIFIC EQUIPME
71A:	DETAILS OF CHARGES	SHA

**THIRD WORLD CENTER FOR CHEMICAL SCIENCES**  
**INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES**  
**UNIVERSITY OF KARACHI**  
**KARACHI-75270**

**SUMMARY OF THE TENDER NOTICE NO. TWC-PSF-HEC-120112 (ORDER FROM H.E.C. PROJECT)**

S.No.	Name of Company	Local Order	Import Order	Total Order	F.C.	TOTAL Pak Rs.
1.	Penicon	-	8	8	US \$ 427.00	90,300.00
2.	Merck	6	-	6		5,600.00
3.	Analytical Measuring Systems	1	-	1		51,900.00
4.	Musaji Adam & Sons	7	-	7		
5.	Nawaid Scientific Traders	-	4	4	US \$ 399.23	
	<b>TOTAL</b>	14	12	26	<b>Pak Rs.</b> <b>US \$</b>	<b>147,800.00</b> <b>826.23</b>

*Checked by Engr. Nadeem*

*Shabbir Ahmed*

Prepared by: **SHABBIR AHMED**

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 UNIVERSITY OF KARACHI  
 KARACHI-75270

SUMMARY OF THE TENDER NOTICE NO. TWC-PSF-HEC-120112 (ORDER FROM T.W.C. GRANT)

S.No.	Name of Company	Local Order	Import Order	Total Order	F.C.	TOTAL	Pak Rs.
1.	Analysis Instrument Services	-	9	9	\$ 761.25	€ 671.00	90,750.00
2.	The World Wide Scientific	7	-	7			120,000.00
3.	Biosciences	3	-	3			60,000.00
4.	Continental Worldwide Trading Company	1	-	1			
5.	H.A. Shah & Sons	2	1	3	US \$ 240.00		5,300.00
6.	DJ Scientific	2	1	3	US \$ 16.00		
	<b>TOTAL</b>	<b>13</b>	<b>11</b>	<b>24</b>	<b>Pak Rs.</b>		<b>276,050.00</b>
					<b>US \$</b>		<b>1017.25</b>
					<b>Euro:</b>		<b>€ 17700671.00</b>

*Items omitted by End-user*

Prepared by: **SHABIR AHMED**

*Shabir*

*Shabir*

INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES (ICCBS)  
UNIVERSITY OF KARACHI



H.E.J.  TWC  PCMD

Document Title: Purchase Requisition Form

Doc. No.:	ICCBS/04/08-01	Rev. No.	01	Issue No.:	1	
Sanction No.	APR 30 / HE / TWC / PSF / 4 / 2011-12				Serial No.:	4227
P.O. No.					Date	13-12-2011

**PURCHASE REQUISITION FORM**

Sci. Equipments	Chemicals	Glassware	Stationary	Computer & Accessories	General Items
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

PLEASE (✓) AT APPROPRIATE PLACE ON THE ABOVE DESCRIPTION  
The prior approval is hereby requested for the purchase of the stated items, which are required for,  
Prof./ Dr./ Mr./ Ms. SYED ABID ALI Lab No. 213 Intercom No. 120/127  
The amount required for the purchase of these items may deducted from the head of,  
A/C. TWC / HE / PSF or

Sr. No.	Item(s)	Specification/ Description	Quantity	Instructions
1	<u>list Attached</u>			
2				
3				
4				
5				
6				
7				
8				

Requested By:  
Name: Sonia Humayun

Signature [Signature]

[Signature]  
Signature of the Supervisor

[Signature]  
Recommended by Finance Manager

Faculty Incharge of Purchase

Submitted for approval for the purchase of the above items. The payment of the above items may be made from the Head of A/C. \_\_\_\_\_

Received in Store (Date & Sign.)

[Signature]  
Purchase Officer

APPROVED BY  
(Director/ Co. Director)



**Tender of TWC/ PSF/HEC (Dr. S. Abid Ali)**  
**International Center for Chemical and Biological Sciences, University of Karachi**  
**Karachi-75270**

**LIST OF CHEMICALS:**

1. TriTrack Loading Dye (6x, 5x1ml) (cat# R1161) Fermentas or equivalent
2. Agarose LE (100g x2)
3. 3M Sodium Acetate Solution, pH5.2 (5x1ml, Molecular biology Grade) cat #R1181 Fermentas or equivalent
4. 0.5M EDTA, pH8.0 (5x1ml, Molecular biology Grade) cat #R1021 Fermentas or equivalent
5. Nuclease-Free Water: (2x30mL Molecular Biology Grade) cat #R0582 Fermentas or equivalent
6. DEPC-TREATED Water: (2x30mL Molecular Biology Grade) cat#R0601 Fermentas or equivalent
7. DNA Ladder: 10kba (cat #1751), Fermentas or equivalent
8. DNA Ladder: 1kba (cat #SM0311),
9. DNA Ladder: 250bp (cat # SM1211),
10. DNA Ladder: 25-700bp (cat#SM1191) Fermentas or equivalent
11. Restriction Enzyme: *SmaI* CCC/GGG (200rtx) cat # FD0664 Fermentas or equivalent
12. Restriction Enzyme: *HaeIII* (BsuRI - GG/CG) (400rtx) cat # FD0154 Fermentas or equivalent.
13. PCR Blocks (6x1)
14. Proteinase K (100mg x2)
15. Lysozyme (1g x2)
16. TFA (100mL) HPLC grade
17. Formic Acid (100mL) HPLC grade
18. Native-PAGE Protein Marker (50-400 kDa)
19. Low molecular weight SDS PAGE Marker (2.5-98 kDa)
20. Unstained protein Molecular weight Marker (cat # SM0431 2x250ul & SM0661 2x250ul Fermentas or equivalent)

21. Prestained protein Molecular weight Marker (cat # SM0441 2x250ul & SM1841 2x250ul Fermentas or equivalent)
22. Sample Buffer, Laemmli 10x Concentrate (sigma or equivalent 10vl)
23. NBT/BCIP Premixed (100mL)
24. Coomassie Plus (Bradford) Assay Reagent Kit (950 mL x2) Thermo Scientific cat # 23236 or Equivalent
25. Fibrinogen from bovine plasma (1 g) cat # F8630-1G Sigma or Equivalent
26. Fibronectin (100mg)
27. Fetuin from fetal calf serum (1 g) cat # F2379-1G Sigma or Equivalent
28. Transferrin from human blood plasma (500mg) cat # 90190-500mg Sigma/Biochemika or equivalent
29. Hyaluronic Acid (Na Hyaluronate, microbiology Grade) 25g
30. Spirit blue agar with lipase reagent (Difco or BD, 500g)
31. DNase Agar (Pronadisa, Spain) 500mg
32. Methyl Green (Sigma) 100g
33. Glucose (Analytical & high purity grade) 1Kg
34. Agar Agar (Microbiological grade) 1Kg
35. Phenol/chloroform/isoamyl-alcohol (500mL) Sigma or equivalent
36. Phenol (100mL)
37. L-Arginine (100g)
38. L-Lysine (100g)
39. Tween 20 (500mL)
40. Tween 80 (500mL)
41. Triton-x-100 (500mL)
42. Phosphatidylcholine (1g x2)
43. Cholesterol (1g x2)
44. Polyethylene glycol (PEG/100 g EACH) 5, 14, 20, 40kDa

45. PBS: Buffer Concentrate sterile (10x 1L) Fermentas or equivalent
46. DNeasy Animal Tissue Kit 50 (Qiagen cat # 69504) or equivalent
47. DNeasy Plant Mini Kit 50 (Qiagen cat # 69104)
48. QIAGEN RNeasy Mini Kit (50) (Qiagen cat # 74104)
49. QIAGEN OneStep RT-PCR Kit (25 x2) (Qiagen cat # 210210)
50. QIAGEN Multiplex PCR Plus Kit (100rx 2) Catalog no. 206152
51. Ni-NTA Superflow Cartridges (5 x 1 ml) Qiagen cat # 30721 or equivalent
52. Gelatin Sepharose 4B (25 ml) GE Healthcare Life sciences cat # 17-0956-01

**LIST OF CONSUMABLES:**

1. PCR Tubes (0.2mL) 1000x2
2. PCR Plates (96 well) 100pc
3. PCR 96 well Plate adhesive Film (200 films)
4. Tips (5ml, 100-1000ul, 10-100ul, 0.5-10ul, 0.1-2.5ul) 1000x 3 each
5. Filter Tip Boxes (10-100ul, 0.5-10ul, 0.2-2.5ul) 96x 5 each
6. Eppendorf Tubes (1.5mL, 0.5mL) 1000x 5 nuclease free
7. Safe Lock tubes (1.5mL & 0.5mL) 1000x 5
8. Falcon Tubes (50mL and 15mL) 50pc each sterile
9. PVDF Membrane (0.22um 20x20 cm; sequencing grade, pk5)
10. Nitrocellulose membrane (0,22um 20x20cm; western blotting grade, pk5)
11. 96 Well Microtest plates with Lids (200pc), Sterile, individually rape, flat bottom. Made of Highly pure PS. Suitable for analysis and microbiology. Carl Roth cat # 9293.1 or equivalent.
12. Nitrile disposable gloves, optimum protection against chemicals like Etidium bromide, disposable, Power free, 100x6 Small and 100x6 Medium size. Carl Roth cat # K966-7.1 or equivalent.
13. Mechanical adjustable Pipettes: 0.1-2.5ul, 0.5-10ul, 2-20ul, 10-100ul, 100-1000ul, 1-5mL (two each); highest precision and accuracy (PCR Grade).
14. Manual hand dispenser Multipette Plus (one), cat # 4986 000.019 Eppendorf or Equivalent

15. Combitip plus (0.1, 0.2, 0.5, 1, 2.5ml) One pack (50pc) of each for Multipette Plus,
16. Combitips Plus Mounting Rack cat # 0030 069.897 Eppendorf or Equivalent
17. Easypet (suitable for transferring 0.1 to 100mL) with holder, 0.45um Membrane filter and charging adapter. Cat # 4421 000.013 Eppendorf or Equivalent
18. Harris Uni-Core™, Tip Diameter 0.50mm (cat # 15071)
19. Harris Uni-Core™, Tip Diameter 5.0mm (cat # 15081)
20. Harris Uni-Core™, Tip Diameter 8.0mm (cat # 15084)
21. Powder free Gloves (small and medium) six boxes each
22. UV Protected Gloves (3 Box)
23. Epithedium Bromide Protection Gloves (12 Box)

#### **LIST OF SMALL EQUIPMENTS:**

1. Water distillation assembly: capacity 3.5-4 lit/hr, compact stainless steel or glass, save, low power consumption, Nuve Water distillers cat # NS-104 or Equivalent
2. Microplate Shaker: speed range 100-1200rpm, orbit 3mm, timer with alarm 1sec to 2hours, Holds 2 or 4 microplates, microprocessor control with digital displays for speed and time, with added optional microtube 1.5-2 mL Rack. Can be used in CO2 incubators or cold rooms environment (-10 to 60C). Thomas Scientific cat # 1231A94 or equivalent.
3. DNA gel Electrophoresis: Gel size 23x14cm, buffer volume 800ml; Complete unit including horizontal gel chamber, safety lid with integral power leads, removable gel casting tray and two combs (1mm and 25 teeth). Carl Roth cat #N825.1 or equivalent.
4. Thermomixer Comfort: 1.5mL block and Adapter plate for PCR plates 96. Cat #5355000.011 and 5363007.009
5. IsoTherm-System Starter Set: includes Isosafe, isoRack, 0C IsoPack and -21C IsoPack 0.5ml 1.5/2.0mL tubes. Cat # 3880 000.011 Eppendorf or Equivalent

#### **LIST OF SOFTWARE:**

1. End Note 5

## Bid Evaluation Report

1. Name of Procuring Agency: Third World Center for Chemical Sciences, International Center for Chemical and Biological Sciences, University of Karachi, Karachi-75270.

2. Tender Reference No: TWC-PSF-HEC-120112

3. Tender Description/Name of work/item: Purchase of chemicals, consumables and scientific equipments for research work.

4. Method of Procurement: Single Stage – Single Envelope

5. Tender Published: SPPRA S.No. 10540; ID: 6155/2011  
*Print & Electronic Media (SPPRA ID No. & News papers names with dates)*

6. Total Bid documents Sold; 16

7. Total Bids Received: 16

8. Technical Bid Opening date: (if applicable) N.A. *(Provide details in separate form)*

9. No. of Bid technically qualified (if applicable): N.A.

10. Bid(s) Rejected: 2

11. Financial Bid Opening date: 12-01-2012

### 12. Bid Evaluation Report:

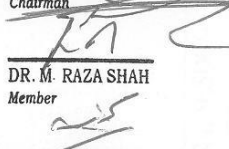
<i>S No</i>	<i>Name of Firm or Bidder</i>	<i>Cost offered by the Bidder</i>	<i>Ranking in terms of cost</i>	<i>Comparis on with Estimated cost</i>	<i>Reasons for acceptance/ rejection</i>	<i>Remarks</i>
<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1.	Penicon	N.A.	1 <sup>st</sup> lowest in 8 items	N.A.	According to specs and lowest	Recommended for 8 items
2.	Merck (Pvt.) Ltd.	N.A.	1 <sup>st</sup> lowest in 6 items	N.A.	According to specs and lowest	Recommended for 6 items
3.	Analysis Instrument Services	N.A.	1 <sup>st</sup> lowest in 9 items	N.A.	According to specs and lowest	Recommended for 9 items
4.	The Worldwide Scientific	N.A.	1 <sup>st</sup> lowest in 7 items	N.A.	According to specs and lowest	Recommended for 7 items
5.	Analysis Measuring Systems	N.A.	1 <sup>st</sup> lowest in 1 item	N.A.	According to specs and lowest	Recommended for 1 item


6.	Biosciences	N.A.	1 <sup>st</sup> lowest in 3 items	N.A.	According to specs and lowest	Recommended for 3 items
7.	Continental Worldwide Trading Co.	N.A.	1 <sup>st</sup> lowest in 1 item	N.A.	According to specs and lowest	Recommended for 1 item
8.	H.A. Shah & Sons	N.A.	1 <sup>st</sup> lowest in 1 item	N.A.	According to specs and lowest	Recommended for 1 item
9.	Musaji Adam & Sons	N.A.	1 <sup>st</sup> lowest in 7 items	N.A.	According to specs and lowest	Recommended for 7 item
10.	Nawaid Scientific Traders	N.A.	1 <sup>st</sup> lowest in 4 items	N.A.	According to specs and lowest	Recommended for 4 items
11.	DJ Scientific	N.A.	1 <sup>st</sup> lowest in 3 items	N.A.	According to specs and lowest	Recommended for 3 items
12.	S.K. Trading Corporation	N.A.	Not lowest in any item	N.A.	According to specs but not lowest	Not recommended for any item
13.	Scientific Technical Corporation	N.A.	Not lowest in any item	N.A.	According to specs but not lowest	Not recommended for any item
14.	Sure Bio Diagnostic & Pharmaceuticals	N.A.	Not lowest in any item	N.A.	According to specs but not lowest	Not recommended for any item.

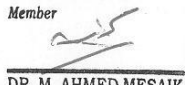
**PURCHASE COMMITTEE, ICCBS INSTITUTIONS**

  
**PROF DR M-SHAIQ ALI**  
 Chairman

  
**PROF DR KHALID M KHAN**  
 Member

  
**DR. M. RAZA SHAH**  
 Member

  
**DR. S ABID ALI**  
 Member

  
**DR. M. AHMED MESAIK**  
 Member

**Signatures of the Members of the Committee.**

THIRD WORLD CENTER FOR CHEMICAL SCIENCES  
INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES  
UNIVERSITY OF KARACHI  
KARACHI-75270

New  
New 20/10/10

COMPARATIVE STATEMENT OF THE TENDER NOTICE NO. TWC-PSF-HEC-120112 (CHEMICALS AND KITS)

Rs: 2,93,260

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
1.	TriTrack Loading Dye (6x, 5x1ml) (cat# R1161) Fermentas or equivalent <i>(5x1)</i>	Rs. 6400/- (ea) RBC	Rs. 3,904/- (C&F) (5 ml) Amresco	N.Q.	N.Q.	Rs. 6,000/- (5x1 ml) Fermentas	Rs. 7,000/- (5 ml)	Rs. 6,391/- (C&F) (5 ml) Thomas	N.Q.	N.Q.	Rs. 3,312/- (5x1 ml) (C&F) Norgen
2.	Agarose LE (100g) <i>(100g)</i>	Rs. 17,500/- (100 gm) Scharlau, Spain	Rs. 11,357/- (100 gm) (C&F) Amresco	Rs. 12,100/- (100 gm) Bioron FRG	Rs. 9,500/- (100 gm) Conda Spain	Rs. 9,280/- (100 gm) ACT Gene USA	Rs. 5,800/- (100 gm)	Rs. 12,168/- (C&F) (100 g) Thomas	N.Q.	Rs. 27,109/- (100 gm) Sigma	Rs. 13,604/- (100 gm) (C&F) Affymetrix
3.	3M Sodium Acetate Solution, pH5.2 (5x1ml, Molecular biology Grade) cat #R1181 Fermentas or equivalent <i>(100ml)</i>	N.Q.	Rs. 2,158/- (100 ml) (C&F) Amresco	Rs. 4,320/- (250 ml) Serva FRG	N.Q.	Rs. 3,750/- (5x1 ml) Fermentas	Rs. 8,000/- (100 ml)	Rs. 2,901/- (C&F) (100 ml) Thomas	N.Q.	Rs. 3,615/- (100 ml) Sigma	Rs. 3,549/- (100 ml) (C&F) Affymetrix
4.	0.5M EDTA, pH8.0 (5x1ml, Molecular biology Grade) cat #R1021 Fermentas or equivalent <i>(100ml)</i>	N.Q.	Rs. 1,747/- (100 ml) (C&F) Amresco	Rs. 3,240/- (100 ml) Serva FRG	N.Q.	Rs. 3,750/- (5x1 ml) Fermentas	Rs. 7,200/- (100 ml)	Rs. 4,226/- (C&F) (100 ml) Thomas	N.Q.	Rs. 4,153/- (100 ml) Fluka	Rs. 2,129/- (100 ml) (C&F) Affymetrix

100ml

Rs 13017

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merek	N.S.T.	DJ Scientific	A.M.S.	Penicon
5.	Nuclease-Free Water: (2x30mL Molecular Biology Grade) cat #R0582 Fermentas or equivalent	Rs. 6,000/- (1L) Hyclone	Rs. 3,294/- (100 ml) (C&F) Amresco	Rs. 7,780/- (500 ml) Serva FRG	N.Q.	Rs. 4,625/- (30 ml) Fermentas	Rs. 7,500/- (1L)	Rs. 4,654/- (C&F) (100 ml) Thomas	Rs. 6,300/- (100 ml) Sigma	Rs. 9,241/- (1L) Sigma	Rs. 6,388/- (1x10 ml) (C&F) Affymetrix
6.	DEPC-TREATED Water: (2x30mL Molecular Biology Grade) cat#R06011 Fermentas or equivalent	N.Q.	Rs. 3,450/- (100 ml) (C&F) Amresco	Rs. 6,920/- (500 ml) Serva FRG	N.Q.	Rs. 4,625/- (30 ml) Fermentas	N.Q.	Rs. 3,461/- (C&F) (100 ml) Thomas	N.Q.	Rs. 3,307/- (100 ml) Sigma	Rs. 1,538/- (500 ml) (C&F) Bto Basic
7.	DNA Ladder: 10kba (cat #1751), Fermentas or equivalent	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 9,250/- (10 ug) Fermentas	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 5,087/- (100 loads) (C&F) Bto Basic
8.	DNA Ladder: 1kba (cat #SM0311), or equivalent	Rs. 8,900/- (100 reactions) RBC	Rs. 8,347/- (500 ul) (C&F) Amresco	Rs. 4,860/- (50 ug) Bioron FRG	N.Q.	Rs. 10,375/- (5x50ug) Fermentas	Rs. 14,000/- (100 lanes)	Rs. 11,301/- (C&F) (600 ul) Thomas	Rs. 34,700/- (1 VL) Sigma	Rs. 29,800/- (1VL) Sigma	Rs. 6,033/- (100 loads) (C&F) Norgen
9.	DNA Ladder: 250bp (cat # SM1211), or equivalent	Rs. 9,100/- (100 reactions) RBC	N.Q.	N.Q.	N.Q.	Rs. 8,750/- (50 ug) Fermentas	Rs. 7,800/- (100 ug)	N.Q.	N.Q.	Rs. 40,840/- (25ug) Sigma	Rs. 6,033/- (100 loads) (C&F) Norgen
10.	DNA Ladder: 25-700bp (cat#SM1191) Fermentas or equivalent	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 9,000/- (50 ug) Fermentas	Rs. 14,000/- (100 lanes)	N.Q.	N.Q.	N.Q.	Rs. 6,033/- (100 loads) (C&F) Norgen

Rs. 32,360/-

1000



S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
11.	Restriction Enzyme: <i>Sma</i> I CCC/GGG (200rtx) cat # FD0664 Fermentas or equivalent	N.Q.	N.Q.	Rs. 3,240/- (1100 u) Bioron FRG	N.Q.	Rs. 9,625/- (200 react) Fermentas	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.
12.	Restriction Enzyme: <i>Hae</i> III (BsuRI - GG/CG) (400rtx) cat # FD0154 Fermentas or equivalent.	N.Q.	N.Q.	Rs. 8,370/- (7000 u) Bioron FRG	N.Q.	Rs. 7,650/- (400 react) Fermentas	N.Q.	N.Q.	N.Q.	Rs. 9,048/- (1KU) Sigma	N.Q.
13.	PCR Blocks (6x1)	Rs. 13,500/- (6x20mm Tubes) Corning, USA	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.
14.	Proteinase K (100mg x2)	Rs. 2,900/- 11 mg RBC	Rs. 4,500/- (100mg) (C&F) Amresco	Rs. 13,230/- (200 mg) Bioron FRG	N.Q.	Rs. 11,520/- (100 mg) Thermo Finn	Rs. 7,800/- (100 mg)	Rs. 16,731/- (C&F) (100 mg) Thomas	Rs. 6,480/- (C&F) (50 mg) Bio Basic	Rs. 13,843/- (100 mg) Sigma	Rs. 10,410/- (100 mg) (C&F) Affymetrix
15.	Lysozyme (1g x2)	Rs. 950/- (20 mg) RBC	Rs. 4,387/- (100 mg) (C&F) Amresco	Rs. 6,050/- (2.5 g) Serva FRG	N.Q.	Rs. 5,950/- (1 gm) Carl Roth	Rs. 5,700/- (1 gm)	Rs. 6,130/- (C&F) (5 gm) Thomas	Rs. 4,590/- (5 gm) (C&F) BioBasic	Rs. 4,524/- (1 gm) Fluka	Rs. 7,453/- (5 gm) (C&F) Affymetrix
16.	TFA (100mL) HPLC grade <u>50 X 2</u>	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 34,400/- (100 ml) Sigma	N.Q.	Rs. 2,958/- (50 ml) (C&F) Bio Basic Rs. 5,916

Rs. 23,899 -

Amresco

x2

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
17.	Formic Acid (100ml) HPLC grade	Rs. 2,300/- (1L) Scharlau, Spain	Rs. 1,860/- (100 ml) (C&F) Amresco	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 2,986/- (C&F) (100 ml) Thomas	Rs. 10,250/- (100 ml) Sigma	N.Q.	Rs. 3,904/- (500 ml) (C&F) Bio Basic
18.	Native-PAGE Protein Marker (50-400 kDa) (1*)	Rs. 11,250/- (250 ul) RBC	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 14,800/- (100 lanes)	N.Q.	Rs. 36,000/- (5x50 ul) Invitrogen	Rs. 24,546/- (1VL) Sigma	N.Q.
19.	Low molecular weight SDS PAGE Marker (2.5- 98 kDa) (1*)	N.Q.	N.Q.	Rs. 10,580/- (10 mg) Serva FRG	N.Q.	N.Q.	Rs. 7,500/- (25 lanes)	N.Q.	N.Q.	Rs. 9,358/- (1VL) Sigma	N.Q.
20.	Unstained protein Molecular weight Marker (cat # SM0431 2x250ul & SM0661 2x250ul Fermentas or equivalent) (1*)	Rs. 11,100/- (250 ul) RBC	Rs. 22,323/- (1000 ul) (C&F) Amresco	Rs. 21,170/- Rs. 10,700/- (500 ul) Serva FRG	N.Q.	N.Q.	Rs. 14,200/- (100 lanes)	N.Q.	N.Q.	N.Q.	N.Q.
21.	Prestained protein Molecular weight Marker (cat # SM0441 2x250ul & SM1841 2x250ul Fermentas or equivalent) (1*)	Rs. 11,900/- (250 ul) RBC	Rs. 16,425/- (500 ul) (C&F) Amresco	Rs. 30,890/- (500 ul) Serva FRG	N.Q.	N.Q.	Rs. 19,000/- (100 lanes)	N.Q.	Rs. 15,750/- (C&F) (500 ul) Bio Basic	Rs. 18,714/- (1VL) Sigma	Rs. 11,001/- (500 ul) (C&F) Affymetrix
22.	Sample Buffer, Laemmli 10x Concentrate (sigma or equivalent (10x))	Rs. 2,650/- (1 ml) RBC	N.Q.	Rs. 10,370/- (2L) Serva FRG	N.Q.	N.Q.	Rs. 7,000/- (5 ml)	Rs. 8,867/- (1L) Thomas	N.Q.	Rs. 5,600/- (10VL) Sigma	N.Q.

Rs. 54,960/-

100 lanes

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
23.	NBT/Premixed (100mL)	Rs. 44,300/- (250 ul) Pierce	Rs. 2,882/- (100 ul) (C&F) Amresco	Rs. 14,040/- (100 ml) Serva FRG	N.Q.	Rs. 11,500/- (1 gm) Fermentas	Rs. 7,800/- (100 ml)	Rs. 4,646/- (100 ml) Thomas ✓	Rs. 7,650/- (100 ml) (C&F) MP Bio	Rs. 9,369/- (100 ml) Sigma	Rs. 2,484/- (5 prep) (C&F) Bio Basic
23-A	BCIP Premixed (100mL)	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 12,375/- (1 gm) Fermentas	N.Q.	Rs. 4,646/- (100 ml) Thomas ✓	Rs. 8,250/- (100 ml) Sigma	N.Q.	Rs. 2,484/- (5 prep) (C&F) Bio Basic
24.	Coomassie Plus (Bradford) Assay Reagent Kit (950 mL x2) Thermo Scientific-eat # 23236 or Equivalent	Rs. 38,500/-	Rs. 12,776/- (each kit) (C&F) Amresco	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 11,779/- (500 ml) Sigma	Rs. 4,022/- (1000 assay) (C&F) Bio Basic
25.	Fibrinogen from bovine plasma (1 g) cat # F8630-1G Sigma or Equivalent	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 25,000/- (1 gm) ✓	N.Q.	Rs. 14,900/- (1 gm) TCI Japan Sigma	Rs. 35,969/- (1 gm) Sigma	N.Q.
26.	Fibronectin (100mFetuin from fetal calf serum (1 g)-cat # F2379-1G Sigma or Equivalent	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 38,000/- (5 mg)	N.Q.	N.Q.	Rs. 113,528/- (5 mg) Sigma	N.Q.
27.	Fetuin from fetal calf serum (1g) Cat # F2379 Sigma or equivalent	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 23,000/- (1 gm) ✓	N.Q.	Rs. 25,100/- (1 gm) Sigma	Rs. 57,139/- (1 gm) Sigma	N.Q.

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penticon
28.	Transferrin from human blood plasma (500mg) cat # 90190- Sigma/Biochemika or equivalent	N.Q.	N.Q.	Rs. 31,320/- (100 mg) Serva FRG	N.Q.	N.Q.	Rs. 12,000/- (100 mg)	N.Q.	Rs. 22,200/- (100 mg) Sigma	Rs. 25,008/- (100 mg) Sigma	N.Q.
29.	Hyaluronic Acid (Na Hyaluronate, microbiology Grade) 25g	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 38,000/- (100 ug)	N.Q.	N.Q.	Rs. 33,133/- (10 gm) Sigma	N.Q.
30.	Spirit blue agar with lipase reagent (Difco, BD or equivalent 500g)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 30,829/- (C&F) (500 gm) Thomas	N.Q.	Rs. 81,024/- (500 gm) Fluka	Rs. 31,171/- (500 gm) (C&F) BD/Thomas
31.	DNase Agar 500mg (Pronadisa, Spain or equivalent)	Rs. 11,500/- (500 gm) Oxoid, UK	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 13,747/- (C&F) (500 gm) Thomas	N.Q.	Rs. 45,991/- (500 gm) Fluka	Rs. 13,900/- (500 gm) (C&F) BD/Thomas
32.	Methyl Green (100g) Sigma or equivalent	Rs. 3,100/- (5 gm) Scharlau, Spain	Rs. 24,829/- (100 gm) (C&F) Amresco	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 34,200/- (4x25 g) (C&F) MP Bio	Rs. 30,379/- (50 gm) Fluka	Rs. 3,088/- (500 ml) (C&F) Thomas
33.	Glucose (Analytical & high purity grade) 1Kg	Rs. 1,800/- (kg) Scharlau	Rs. 2,177/- (1 kg) (C&F) Amresco	Rs. 5,180/- (1 kg) Serva FRG	N.Q.	Rs. 2,784/- (1 kg) Phyto Tech	Rs. 2,800/- (1 kg)	Rs. 3,058/- (C&F) (1 kg) Thomas	Rs. 2,340/- (1 kg) (C&F) Bio Basic	Rs. 5,190/- (1 kg) Sigma	Rs. 2,129/- (1 kg) (C&F) Bio Basic

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
34.	Agar Agar (Microbiological grade) 1Kg	Rs. 3,850/- (500 gm) Oxoid, UK	Rs. 18,171/- (1 kg) (C&F) Amresco	Rs. 11,450/- (250 gm) Serva FRG	N.Q.	Rs. 51,000/- (Roth) Rs. 22,000/- (Phyto Tech) Rs. 12,000/- (RDH/BDH ) (1 kg)	Rs. 48,000/- (1 kg)	N.Q.	Rs. 6,300/- (500 gm) (C&F) Quelab	Rs. 16,151/- (500 gm) Fluka	Rs. 21,886/- (5 lb) (C&F) Affymetrix
35.	Phenol/chloroform/isoa myl-alcohol (500mL) Sigma or equivalent	Rs. 5,000/- (1 kg) Scharlau	N.Q.	N.Q.	N.Q.	Rs. 23,000/- (500 ml) Roth	Rs. 24,500/- (1 set)	N.Q.	Rs. 11,750/- (100 ml) Sigma	Rs. 40,279/- (500 ml) Fluka	Rs. 11,593/- (400 ml) (C&F) Affymetrix
36.	Phenol (100mL)	Rs. 3,400/- (1L) Scharlau	Rs. 4,728/- (500 ml) (C&F) Amresco	N.Q.	N.Q.	Rs. 16,400/- (500 ml) Carl Roth	N.Q.	N.Q.	Rs. 6,300/- (100 ml) (C&F) Bio Basic	Rs. 6,498/- (100 ml) Sigma	Rs. 6,033/- (100 g m) (C&F) Affymetrix
37.	L-Arginine (100g)	Rs. 2,500/- (100 gm) Scharlau	Rs. 2,101/- (100 gm) (C&F) Amresco	Rs. 4,860/- (100 gm) Serva FRG	N.Q.	Rs. 4,750/- (100 gm) Phyto Tech	Rs. 3,500/- (100 gm)	Rs. 37,586/- (C&F) (1 kg) Thomas	Rs. 1,440/- (100 gm) (C&F) Bio Basic	Rs. 6,755/- (100 gm) Aldrich	Rs. 4,496/- (100 gm) (C&F) Affymetrix
38.	L-Lysine (100g)	Rs. 10,100/- (1 kg) Scharlau	Rs. 1,604/- (100 gm) (C&F) Amresco	Rs. 11,880/- (100 gm) Serva FRG	N.Q.	Rs. 4,269/- (100 gm) Phyto Tech	Rs. 1,800/- (100 gm)	Rs. 2,008/- (C&F) (100 gm) Thomas	Rs. 2,250/- (250 gm) Bio Basic Rs. 26,100/- (100 gm) MP Bio (C&F)	Rs. 14,013/- (100 gm) Aldrich	Rs. 6,033/- (1 kg) (C&F) Affymetrix

S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
39.	Tween 20 (500mL)	Rs. 3,600/- (1L) Scharlau	Rs. 2,726/- (1L) (C&F) Amresco	Rs. 5,080/- (100 ml) Serva FRG	N.Q.	Rs. 7,100/- (1L) Phyto Tech	Rs. 2,300/- (100 ml)	Rs. 4,228/- (C&F) (1L) Thomas	Rs. 1,620/- (500 ml) (C&F) Bio Basic	Rs. 5,333/- (500 ml) Sigma/Ald	Rs. 3,312/- (500 ml) (C&F) Affymetrix
40.	Tween 80 (500mL)	Rs. 3,600/- (1L) Scharlau	Rs. 3,308/- (1L) (C&F) Amresco	Rs. 4,760/- (500 gm) Serva FRG	N.Q.	Rs. 4,000/- (25 gm) Carl Roth	Rs. 10,000/- (50 ml)	Rs. 3,989/- (C&F) (1L) Thomas	Rs. 1,620/- (500 ml) (C&F) Bio Basic	Rs. 5,716/- (500 ml) Sigma/Ald	Rs. 5,678/- (500 ml) (C&F) Affymetrix
41.	Triton-x-100 (500mL)	Rs. 3,300/- (1L) Scharlau	Rs. 2,584/- (1L) (C&F) Amresco	Rs. 8,100/- (250 ml) Serva FRG	N.Q.	Rs. 6,000/- (1L) Carl Roth	Rs. 10,800/- (1 kg)	Rs. 3,510/- (C&F) (1L) Thomas	N.Q.	Rs. 6,820/- (500 ml) Sigma	Rs. 7,808/- (500 ml) (C&F) Affymetrix
42.	Phosphatidylcholine (1g x2)	Rs. 8,050/- (250 gm) Alfa Aesar	N.Q.	N.Q.	N.Q.	Rs. 3,600/- (100 gm) Carl Roth	Rs. 7,500/- (5 gm)	N.Q.	N.Q.	Rs. 6,446/- (25 gm) Sigma	N.Q.
43.	Cholesterol (1g x2)	Rs. 5,800/- (100 gm) Scharlau	Rs. 4,880/- (250 gm) (C&F) Amresco	N.Q.	N.Q.	Rs. 23,000/- (100 gm) Carl Roth	Rs. 27,500/- (100 gm)	Rs. 27,755/- (C&F) (1 kg) Thomas	Rs. 2,880/- (25 gm) TCI Japan Rs. 4,050/- (1 gm) MP Bio (C&F)	Rs. 3,678/- (1 gm) Sigma	Rs. 6,506/- (5 gm) (C&F) Affymetrix
44.	Polyethylene glycol (PEG/100 g EACH) 5, 14, 20, 40kDa	Rs. 2,400/- (1L) Scharlau	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 7,808/- (1 kg) (C&F) Affymetrix

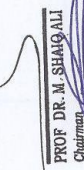


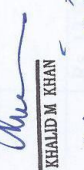
D


S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
45.	PBS: Buffer Concentrate sterile (10x 1L) Fermentas or equivalent	Rs. 7,900/- (1L) Hyclone	Rs. 4,968/- (1L) (C&F) Amresco	Rs. 3,020/- (10L) Serva FRG	N.Q.	Rs. 5,750/- (1L) Fermentas	Rs. 6,500/- (ea)	Rs. 21,755/- (C&F) (6x1L) Thomas	N.Q.	Rs. 7,806/- (500 ml) Sigma	Rs. 6,152/- (1L) (C&F) Affymetrix
46.	DNeasy Animal Tissue Kit 50 (Qiagen cat # 69504) or equivalent	Rs. 18,400/- (100 prep) RBC	N.Q.	N.Q.	N.Q.	Rs. 45,000/- (200rxn kit) Thermo Finn	Rs. 42,000/- (100 rxn)	Rs. 13,471/- (ea) (C&F) Thomas	N.Q.	Rs. 23,072/- (1 kit) Sigma	N.Q.
47.	DNeasy Plant Mini Kit 50 (Qiagen cat # 69104)	Rs. 31,500/- (100 prep.) RBC	N.Q.	N.Q.	N.Q.	Rs. 15,375/- (50-prep) Fermentas	Rs. 18,000/- (5 exp)	Rs. 15,775/- (ea) (C&F) Thomas	N.Q.	Rs. 29,097/- (1 kit)	Rs. 17,153/- (50 preps) (C&F) Norgen
48.	QIAGEN RNeasy Mini Kit (50) (Qiagen cat # 74104)	Rs. 19,800/- (400 prep) RBC	N.Q.	N.Q.	N.Q.	Rs. 21,000/- (50-prep) Fermentas	Rs. 30,000/- (20 prep)	N.Q.	N.Q.	N.Q.	Rs. 20,111/- (50 preps) (C&F) Norgen
49.	QIAGEN OneStep RT-PCR Kit (25 x2) (Qiagen cat # 210210)	Rs. 29,800/- (100 prep) RBC	N.Q.	N.Q.	N.Q.	Rs. 38,000/- (100rxn) Thermo Finn	Rs. 50,000/- (50 rxn)	N.Q.	N.Q.	N.Q.	Rs. 19,520/- (50 react) (C&F) Affymetrix
50.	QIAGEN Multiplex PCR Plus Kit (100rx 2) Catalog no. 206152	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 40,000/- (5 exp.)	N.Q.	N.Q.	N.Q.	Rs. 16,207/- (100 react) (C&F) Affymetrix

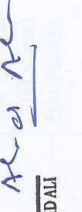
S.No.	Item	M.A.S.	A.I.S.	S.B.D.P.	S.K.T.C.	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.	Penicon
51.	Ni-NTA Superflow Cartridges (5 x 1 ml) <del>Qiagen cat # 30721 or equivalent</del>	Rs. 34,250/- (5x1 ml) RBC	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.
52.	Gelatin Sepharose 4B (25 ml) GE Healthcare <del>Life sciences cat # 17-0956-01 or equivalent</del>	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 22,550/- (100 ml) Sigma	Rs. 26,320/- (100 ml) Sigma	N.Q.


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**UNIVERSITY OF KARACHI**  
**KARACHI-75270**

**COMPARATIVE STATEMENT OF THE TENDER NOTICE NO. TWC-PSF-HEC-120112 (CONSUMABLES)**

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	Scientific	A.M.S.
1.	PCR Tubes (0.2mL) 1000x2	Rs. 4,400/- (100 pcs) Corning <i>1000 x 2</i>	N.Q.	N.Q.	Rs. 4,230/- Rs. 4,030/- Bag of 1000 tubes Molecular Bio Products USA	N.Q.	Rs. 18,550/- (1000 pcs) Eppendorf	Rs. 8,500/- (1000 pcs) Eppendorf	Rs. 2,500/- (1000 pcs) NyxTech USA	N.Q.	Rs. 8,031/- Pack of 1000 (C&F) Thomas	Rs. 800/- (1000/bag) Novascotia <i>22 X</i>	Rs. 8,523/- (1000 ea) Sigma
2.	PCR Plates (96 well) <del>100pc</del>	Rs. 5,500/- (25 pcs) Corning <i>X2</i> <i>50 pcs</i>	N.Q.	N.Q.	Rs. 19,110/- Pack of 25 plates M.B. Products	N.Q.	Q.	N.Q.	Rs. 9,860/- Pack of 25 Bio Plastics	N.Q.	N.Q.	Rs. 8,550/- (10/bag) (C&F) Bio Basic	Rs. 34,189/- (50ea) Sigma
3.	PCR 96 well Plate adhesive Film (200 films)	Rs. 5,400/- (100 pcs) Corning	N.Q.	N.Q.	Rs. 16,540/- Rs. 8,640/- Case of 100 Nunc Denmark	N.Q.	N.Q.	N.Q.	Rs. 13,920/- (100 sheet) Bio Plastic	N.Q.	Rs. 15,093/- (C&F) Thomas	Rs. 10,350/- 10/pack VWR (C&F)	Rs. 17,253/- Pack of 5 Sigma
4.	Tips (5ml)	Rs. 2,400/- (100 pcs) Kartel, Italy	N.Q.	N.Q.	Rs. 2,290/- Bag of 250 tips M.B. Products	N.Q.	Rs. 4,950/- Pack of 500 100-5000 ul Eppendorf	Rs. 4,800/- (500 tips) 100-5000 ul Eppendorf	Rs. 1,500/- (250 tips) CLP USA	N.Q.	Rs. 3,524/- (C&F) 300 pcs Hirshmann	Rs. 1,850/- (100/bag) Imported	N.Q.

*Rs. 1,67,538*

*Rs. 8,000*

B.J

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	DJ	A.M.S.
4-A	100-1000ul,	Rs. 580/- (1000 pcs) Kartell, Italy	N.Q.	N.Q.	Rs. 2,470/- Bag of 1000 M.B. Products	N.Q.	Rs. 3,645/- Pack of 1000 50-1000 ul Eppendorf	Rs. 6,500/- (1000 tips) 50-1000 ul Eppendorf	Rs. 1,500/- (1000/bag) CLP USA	N.Q.	Rs. 924/- (C&F) 1000 pcs Hirschmann	Rs. 650/- (500/bag) Imported	Rs. 4496/- 2x500/ (50-1000 ul) Sigma
4-B	10-100ul,	Rs. 375/- (1000 pcs) Kartell, Italy	N.Q.	N.Q.	Rs. 2,470/- Bag of 1000 M.B. Products	N.Q.	Rs. 3,645/- Pack of 1000 2-200 ul Eppendorf	Rs. 6,500/- (1000 tips) 2-200 ul Eppendorf	Rs. 1,600/- (1000/bg) CLP USA	N.Q.	N.Q.	Rs. 340/- 1000/bag Imported	Rs. 17,666/- 960 ea Sigma
4-C	0.5-10ul	Rs. 1,350/- (1000 pcs) Kartell, Italy	N.Q.	N.Q.	Rs. 2,360/- Bag of 1000 M.B. Products	N.Q.	Rs. 5,625/- (1000 pcs) 0.5-20 ul Eppendorf	Rs. 5,000/- (1000 tips) 0.1-10 ul	N.Q.	N.Q.	Rs. 1914/- (C&F) 1000 pcs Jirschmann	Rs. 210/- 1000/bag Imported	Rs. 13,618/- Pk 960 Sigma
4-D	0.1-2.5ul)	N.Q.	N.Q.	N.Q.	Rs. 2,170/- Bag of 1000 M.B. Products	N.Q.	Rs. 5,949/- Pack of 1000 0.1-10 ul Eppendorf	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 12,757/- Pk 200 Sigma
5.	Filter Tip Boxes (10-100ul,	Rs. 3,850/- (96-pcs) 1-200 ul Corning USA	N.Q.	N.Q.	Rs. 7,160/- (960 tips) M.B. Products	N.Q.	Rs. 16,900/- 960 tips 2-200 ul Eppendorf	Rs. 5,000/- (96 tips) 2-200 ul Eppendorf	Rs. 5,500/- (10x96) Bio Pointe	N.Q.	Rs. 4,212/- (C&F) 2-200 ul (96 tips) Thomas	Rs. 495/- 96/rack Bio Basic (C&F)	Rs. 17,666/- (960 ea) Sigma
5-A	0.5-10ul,	Rs. 9,500/- (96 pcs) Corning USA	N.Q.	N.Q.	Rs. 7,160/- (960 tips) M.B. Products	N.Q.	Rs. 16,200 960 tips 0.5-20 ul Eppendorf	Rs. 6,000/- (96 tips) 0.1-10-ul Eppendorf	Rs. 5,500/- (10x96) Bio Pointe	N.Q.	Rs. 11,700/- (C&F) 0.1-10ul (96 tips with tray pk Thomas	Rs. 495/- 96/rack Bio Basic (C&F)	Rs. 8,786/- (960 ea) Sigma
5-B	0.2-2.5ul	Rs. 5,000/- (96 pcs) 0.2-10 ul) Corning USA	N.Q.	N.Q.	Rs. 7,160/- (960 tips) M.B. Products	N.Q.	Rs. 17,050/- 960 tips 0.1-10 ul Eppendorf	N.Q.	N.Q.	N.Q.	Rs. 1044/- Pack of 6 Eppendorf	N.Q.	N.Q.
6.	Eppendorf Tubes (1.5mL), 1000x 5 nuclease free 1000x 2	Rs. 4,000/- (1000 pcs) 1.7 ml) Corning USA	N.Q.	N.Q.	Rs. 1,370/- Rs. 1,780/- Pack of 500 M.B. Products	N.Q.	Rs. 6,200/- (1000 pcs) Eppendorf	Rs. 6,500/- Pack of 1000 Eppendorf	Rs. 1,300/- (500/bag) CLP USA	N.Q.	Rs. 5,382/- (C&F) Pack of 100 Thomas	Rs. 3,420/- 500/bag Bio Basic (C&F)	Rs. 5,922/- (1000 ea) Sigma

Rs. 8000 -

1000x 2

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.
6-A	0.5mL <i>1000 X 2</i>	Rs. 4,250/- (1000 pcs) Corning, USA <i>8,500</i>	N.Q.	N.Q.	Rs. 4,780/- Rs. 14,900/- Pack of 5000 M.B. Products	N.Q.	Rs. 6,200/- (500 pcs) Eppendorf	Rs. 6,500/- Pack of 500 Eppendorf	N.Q.	N.Q.	Rs. 3,686/- (C&F) Pack of 50 Thomas	Rs. 3,420/- 500/bag Bio Basic (C&F)	Rs. 5,831/- (500 ea) Sigma
7.	Safe Lock tubes (1.5mL) <i>1000 X 2</i>	Rs. 4,000/- (1000 pcs) 1.7 ml Corning	N.Q.	N.Q.	Rs. 1,560/- Pack of 500 M.B. Products	N.Q.	Rs. 5,400/- (1000 pcs) Eppendorf	Rs. 4,000/- (1000 pcs) Eppendorf	Rs. 4,500/- (500/box) Biologix	N.Q.	Rs. 5,440/- (C&F) Box of 500 Thomas	Rs. 725/- 500/pack Novascotia <i>Rs. 1950/-</i>	Rs. 5,922/- (1000 ea) Sigma
7-A	0.5mL <i>1000 X 2</i>	Rs. 4,250/- (1000 pcs) Corning	N.Q.	N.Q.	Rs. 2,720/- Pack of 1000 M.B. Products	N.Q.	Rs. 6,050/- (500 pcs) Eppendorf	Rs. 6,500/- (500 pcs) Eppendorf	N.Q.	N.Q.	Rs. 5,967/- (C&F) 500 pcs Thomas	Rs. 1,200/- 1000/pack Novascotia <i>Rs. 2500</i>	N.Q.
8.	Falcon Tubes (50mL)	Rs. 9,500/- (500 pcs) Corning-USA	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 800/- (50/bag) (Biologix)	N.Q.	Rs. 34,431/- (C&F) 500 pcs Thomas	Rs. 788/- (25/bag) Bio Basic (C&F)	N.Q.
8-A	15mL	Rs. 7,750/- (500 pcs) Corning, USA	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 800/- (50/bag) CLP USA	N.Q.	Rs. 24,483/- (C&F) 500 pcs Thomas	Rs. 1440/- (100/bag) Bio Basic (C&F)	N.Q.
9.	PVDF Membrane (0.22um 20x20 cm; sequencing grade, pk5)	Rs. 52,700/- (10 pcs) Pierce	N.Q.	N.Q.	Rs. 42,120/- (10 sheets) Serva FRG	N.Q.	N.Q.	N.Q.	Rs. 7,373/- (2 sheets) Carl Roth	Rs. 11,600/- (50/pack)	N.Q.	Rs. 17,550/- Box of 5 sheets MP Bio (C&F)	Rs. 98,896/- (10 ea) Aldrich
10.	Nitrocellulose membrane (0.22um) 20x20cm; western blotting grade, pk5)	Rs. 46,250/- (15 pcs) Pierce	N.Q.	N.Q.	Rs. 37,800/- (5 sheets) Serva FRG	N.Q.	N.Q.	N.Q.	Rs. 34,830/- (10/pack) Carl Roth	N.Q.	N.Q.	Rs. 21,100/- (5 ea) Sigma	Rs. 28,194/- (5 ea) Sigma

*Rs. 12,350/-*

*1000*

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.
11.	96 Well Microtest plates with Lids (200pc), Sterile, individually rape, flat bottom. Made of Highly pure PS. Suitable for analysis and microbiology. Carl Roth cat # 9293.1 or equivalent.	Rs. 7,750/- (50 pcs) Corning USA	N.Q.	N.Q.	Rs. 41,500/- Case of 160 Rs. 9,390/- Case of 50	N.Q.	N.Q.	N.Q.	Rs. 12,600/- Pack of 100 Carl Roth	N.Q.	Rs. 17,901/- (C&F) Pack of 50 Thomas	N.Q.	N.Q.
12.	Nitrile disposable gloves, optimum protection against chemicals like Etidium bromide, disposable, Power free, 100x6 Small and 100x6 Medium size. Carl Roth cat # K966-7.1 or equivalent.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 4,600/- Pack of 100 Carl Roth	N.Q.	Rs. 2,196/- (C&F) Pack of 100 Thomas	Rs. 2430/- 100/box (C&F) Bio Basic	Rs. 6,781/- (250 ea) Aldrich
13-A	Mechanical adjustable Pipettes: 0.1-2.5ul, X2	Rs. 15,500/- (0.2-2 ul) Corning, USA	Rs. 10,931/- (0.2-2ul) (C&F) Capp	Rs. 22,620/- Socorex, Switzerland	Rs. 22,066/- (C&F) (0.2.2 ul) Thermo Fisher	Rs. 16,000/- (0.1-2.5 ul) Capp, Denmark	Rs. 20,000/- Eppendorf	Rs. 32,000/- Eppendorf	Rs. 15,000/- (ea) LabNet USA	N.Q.	Rs. 12,830/- (C&F) Hirschmann Rs. 24,940/- Nichryo	Rs. 7,500/- (ea) AHN Bio	Rs. 49,513/- (ea) Aldrich
13-B	0.5-10ul, X2	Rs. 15,500/- (Coming, USA)	Rs. 10,931/- (0.5-10ul) (C&F) Capp	Rs. 22,620/- Socorex, Switzerland	Rs. 22,066/- (C&F) (1-10 ul) Thermo Fisher	Rs. 16,000/- (0.5-10ul) Capp, Denmark	Rs. 20,000/- Eppendorf	Rs. 32,000/- Eppendorf	Rs. 15,000/- (ea) LabNet USA	N.Q.	Rs. 12,830/- (C&F) Hirschmann Rs. 22,620/- Nichryo	Rs. 7,500/- (ea) AHN	Rs. 49,513/- (ea) Aldrich

Total: Rs 29,188

Rs = 19,188

Rs. 6,588

selected on highest participation & accuracy

Handwritten initials

Dr.

Dr.

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.
13-C	2-20ul, <del>X</del>	Rs. 15,500/- Corning, USA	Rs. 10,931/- (2-20ul) (C&F) Capp	Rs. 22,620/- Socorex, Switzerland nd	Rs. 22,066/- (C&F) (2-20 ul) Thermo Fisher	Rs. 16,000/- (2-20 ul) Capp, Denmark	Rs. 20,000/- Eppendorf	Rs. 32,000/- Eppendorf	Rs. 15,000/- (ea) LabNet NSA	N.Q.	Rs. 12,830/- (C&F) Hirschmann Rs. 22,620/- Nichiryo	Rs. 7,500/- (ea) AHN	N.Q.
13-D	10-100ul,  X2	Rs. 15,500/- Corning, USA	N.Q.	Rs. 22,620/- Socorex, Switzerland nd	Rs. 22,066/- (C&F) (10-100 ul) Thermo Fisher	Rs. 16,000/- (10-100 ul) Capp, Denmark	Rs. 20,000/- Eppendorf  40,000	Rs. 32,000/- Eppendorf	Rs. 15,000/- (ea) LabNet USA	N.Q.	Rs. 12,830/- (C&F) Hirschmann Rs. 22,620/- Nichiryo	Rs. 7,500/- (ea) AHN	N.Q.
13-E	100-1000ul,  X	Rs. 15,500/- Corning, USA	N.Q.	Rs. 22,620/- Socorex, Switzerland nd	Rs. 22,066/- (C&F) (100-1000 ul) Thermo Fisher	Rs. 16,000/- (100-1000 ul) Capp, Denmark	Rs. 20,000/- Eppendorf	Rs. 32,000/- Eppendorf	Rs. 15,000/- (ea) LabNet USA	N.Q.	Rs. 12,830/- (C&F) Hirschmann Rs. 22,620/- Nichiryo	Rs. 7,500/- (ea) AHN Bio	N.Q.
13-F	1-5mL  X	N.Q.	N.Q.	Rs. 22,620/- Socorex, Switzerland nd	Rs. 23,541/- (C&F) (1-10 ml) Thermo Fisher	N.Q.	Rs. 20,000/- Eppendorf	Rs. 32,000/- Eppendorf	Rs. 15,000/- (ea) LabNet USA	N.Q.	Rs. 12,830/- (C&F) Hirschmann Rs. 24,940/- Nichiryo	Rs. 7,500/- (ea) AHN Bio	N.Q.
14.	Manual hand dispenser Multipette Plus (one), cat # 4986 000.019 Eppendorf or Equivalent  X	N.Q.	N.Q.	N.Q.	Rs. 33,016/- (ea) With adapter pack of 10) Thermo Fisher	N.Q.	Rs. 40,000/- Eppendorf	Rs. 32,000/- Eppendorf	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.
15.	Combitip plus (0.1, ml) One pack (50pc)  X	N.Q.	Rs. 9,665/- (0.5 ml) (Pack of 100) (C&F) Capp	N.Q.	Rs. 9,700/- (C&F) 500 ul stepper Box of 100	N.Q.	Rs. 14,250/- (100 pcs) Eppendorf	Rs. 13,000/- (set of 100) Eppendorf	N.Q.	N.Q.	N.Q.	Rs. 13,500/- 100/pack (C&F) Eppendorf	N.Q.

Rs 40,000 -

1000

**B.1**

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	DJ	A.M.S.
15-A	Combitip plus (0.2, ml) One pack (50pc) <del>X</del>	N.Q.	Rs. 9,665/- (1.25 ml) (Pack of 100) (C&F) Capp	N.Q.	Rs. 9,700/- (C&F) 1250 ul stepper Box of 100	N.Q.	Rs. 14,250/- (100 pcs) Eppendorf	Rs. 13,000/- (set of 100) Eppendorf ✓	N.Q.	N.Q.	N.Q.	Scientific Rs. 13,500/- 100/pack (C&F) Eppendorf	N.Q.
15-B	Combitip plus (0.5, ml) One pack (50pc) <del>X</del>	N.Q.	Rs. 9,665/- (2.5 ml) (Pack of 100) (C&F) Capp	N.Q.	Rs. 9,700/- (C&F) 2500 ul stepper Box of 100	N.Q.	Rs. 14,250/- (100 pcs) Eppendorf	Rs. 13,000/- (set of 100) Eppendorf ✓	N.Q.	N.Q.	N.Q.	Rs. 13,500/- 100/pack (C&F) Eppendorf	N.Q.
15-C	Combitip plus (1 ml) One pack (50pc) <del>X</del>	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 14,250/- (100 pcs) Eppendorf	Rs. 13,000/- (set of 100) Eppendorf ✓	N.Q.	N.Q.	N.Q.	Rs. 13,500/- 100/pack (C&F) Eppendorf	N.Q.
15-D	Combitip plus (2.5, ml) One pack (50pc) <del>X</del>	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 14,250/- (100 pcs) Eppendorf	Rs. 13,000/- (set of 100) Eppendorf ✓	N.Q.	N.Q.	N.Q.	Rs. 13,500/- 100/pack (C&F) Eppendorf	N.Q.
16.	Combitips Plus Mounting Rack cat # 0030 069-897 Eppendorf or Equivalent <del>X</del>	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 7,950/- (ea) Eppendorf	Rs. 7,500/- Eppendorf ✓	N.Q.	N.Q.	Rs. 4,446/- (ea) (C&F) Thomas	Rs. 4,950/- (ea) (C&F) Eppendorf	N.Q.
17.	Easypet (suitable for transferring 0.1 to 100mL) with holder, 0.45um Membrane filter and charging adapter. Cat # 4421 000.013 Eppendorf or Equivalent <del>X</del>	Rs. 38,000/- (ea) Corning USA	Rs. 24,488/- (ea) (C&F) With accessories Capp	Rs. 52,200/- Socorex, Switzerland and	Rs. 44,456/- (C&F) With box of 25 filters Thermo Fisher	N.Q.	Rs. 55,000/- Eppendorf	Rs. 47,000/- Eppendorf ✓	N.Q.	N.Q.	Rs. 3,313/- (ea)	N.Q.	N.Q.

*Handwritten signature/initials*

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences	H.A. Shah	T.W.W.S.	Merck	N.S.T.	DJ Scientific	A.M.S.
18.	Harris Uni-Core™, Tip Diameter 0.50mm (cat # 15071 or equivalent)	N.Q.	Rs. 27,768/- (pack of 25) Sigma	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 21,200/- Pack of 25 Sigma	N.Q.
19.	Harris Uni-Core™, Tip Diameter 5.0mm (cat # 15081 or equivalent)	N.Q.	Rs. 27,100/- (pack of 25) Sigma	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 21,200/- Pack of 25 Sigma	N.Q.
20.	Harris Uni-Core™, Tip Diameter 8.0mm (cat # 15084 or equivalent)	N.Q.	Rs. 27,100/- (pack of 25) Sigma	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 21,200/- Pack of 25 Sigma	N.Q.
21.	Powder free Gloves (small and medium) six boxes each	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 700/- (100 by weight) Gen-X	N.Q.	Rs. 2,188/- Pack of 100 (C&F) Thomas	Rs. 650/- 100/bag Imported Aldrich	Rs. 6,781/- (250 ea)
22.	UV Protected Gloves (3 Box)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.
23.	Epithedium Bromide Protection Gloves (12 Box)	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 2,320/- (each pair) Carl Roth	N.Q.	Rs. 3,643/- (C&F) Pack of 50	N.Q.	N.Q.

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UNIVERSITY OF KARACHI  
KARACHI-75270

COMPARATIVE STATEMENT OF THE TENDER NOTICE NO. TWC-PSF-HEC-120112 (SMALL EQUIPMENTS)

S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences Intl.	H.A. Shah	T.W.W.S.	C.W.T.C.	N.S.T.	DJ Scientific	Penicon
1.	Water distillation assembly: 3.5-4 lit/hr, compact stainless steel or glass, save, low power consumption, Nuve	Rs. 58,000/- (ea) Exilo, Czech X	Rs. 44,460/- (ea) Favorit X	Rs. 84,100/- Model: W4L Favorit, Malaysia	Rs. 779,142/- (C&F) With accessories Thermo Fisher	Rs. 68,250/- (C&F) Nuve Turkey Rs. 65,000/- PLT Scientific Malaysia	N.Q.	N.Q.	N.Q.	Rs. 60,000/- (ea) Model: WS-6 Iwaki	Rs. 129,295/-	Rs. 284,000/- (ea) (C&F) Hamilton UK	N.Q.
2.	Microplate speed Shaker: range 100-1200rpm, orbit 3mm, timer with alarm	Rs. 115,000/- (ea) Corning, USA	Rs. 80,087/- (ea) (C&F) Thermo Shaker TRM-4 J.P. Selecta t Temp	Rs. 255,200/- (ea) Boekel Scientific USA	Rs. 94,185/- (C&F) Thermo Fisher	Rs. 65,000/- Tomos, USA only a shaker	N.Q.	N.Q.	Rs. 116,200/- (ea) Carl Roth	N.Q.	Rs. 122,526/- (ea) (C&F) Thomas	Rs. 128,250/- (ea) (C&F) Thomas	Rs. 112,385/- (ea) (C&F) Thomas
3.	DNA gel Electrophoresis: Gel size 23x14cm, buffer volume 800ml; Complete	N.Q.	N.Q.	Rs. 108,000/- Rs. 133,400/- with power supply Major Science, USA	Rs. 130,021/- (C&F) With comb and power supply Thermo Fisher	N.Q.	N.Q.	N.Q.	Rs. 29,300/- (ea) Complete unit w/o power supply Cleaver Scientific, U.K.	N.Q.	Rs. 77,805/- (ea) (C&F) Thomas	N.Q.	N.Q.



S.No.	Item	M.A.S.	A.I.S.	S.T.C.	S.B.D.P.	S.K.T.C.	Biosciences Intl.	H.A. Shah	T.W.W.S.	C.W.T.C.	N.S.T.	DJ Scientific	Penicon
4.	Thermomixer Comfort: 1.5mL block and Adapter plate for PCR plates 96. Cat #5355000.011 and 5363007.009 or equivalent	N.Q.	Rs. 241,841/- (C&F) With 96x0.2ml 35x1.5 ml Tubes J.P. Selecta	Rs. 203,000/- Model: ProvoCell, Esco Tech, USA	Rs. 124,033/- (C&F) With block option 40x1.5 ml and 96x0.2 ml Bio Flux Japan	Rs. 113,750/- (C&F) Tomos, USA	N.Q.	Rs. 407,785/- (C&F) With exchangeable thermoblock and adapter plate for PCR tubes	N.Q.	N.Q.	Rs. 519,246/- (C&F) (Thomas) With accessories	Rs. 378,000/- (ea) (C&F) Eppendorf	N.Q.
5.	IsoTherm-System Starter Set: includes Isosafe, isoRack, 0C IsoPack and -21C IsoPack 0.5ml tubes. Cat # 3880 000.011 Eppendorf or Equivalent	N.Q.	N.Q.	N.Q.	N.Q.	N.Q.	Rs. 25,470/- (ea) Eppendorf	Rs. 16,284/- (ea) (C&F) Eppendorf (x2)	N.Q.	N.Q.	Rs. 18,135/- (C&F) Thomas	Rs. 13,500/- (ea) (C&F) Eppendorf	Rs. 24,133/- (ea) (C&F) Thomas

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