



UNIVERSITY OF SINDH, JAMSHORO

Allama I.I.Kazi Campus

www.usindh.edu.pk Tel & Fax + 92(0)229213203

Notice Inviting Tender: Schedule Extended

Subject: Extension of the date of tender process regarding Chemicals and glassware etc, Computer + accessories, scientific equipment and Sports material.

The TOR of above mentioned tender are the same as published in the tender notice published in daily Dawn, dated.08.10.2015, daily Ibrat dated.08.10.2015, daily Jang dated.08.10.2015 and **uploaded on SPPRA website on 12.10.2015 under serial # 25448.**

New schedule will be as under:

Name of work.	Tender Fee	Time allowed for completion of work	Bid Security	Extended dated of Issuing Tender	Extended Date of Submission of Tender	New Time and date of opening of Tender	Place of Tender Opening.
(A) Scientific equipments and Sports materials	Rs.2000.00	As per SPPRA rules 2010 (Ammended uptodate)	2% of bid price	From 29.10.2015	Upto 17.11.2015 12.00Noon	1.00P.M 17.11.2015	Office of Dean, Faculty of Natural Science, University of Sindh, Jamshoro.
(B) Chemicals, Glassware etc.	Rs.2000.00			To 16.11.2015			
(C) Computers + Accessories.	Rs.2000.00						

Once again bidding document can be download from Sindh University website (www.usindh.edu.pk) or can be obtained from the office of Prof. Incharge, Central Scientific Store, Institute of Information and Communication Technology, University of Sindh, Jamshoro on the payment of Rs.2000/-each in the form Pay order / Demand draft in favor of University of Sindh, Jamshoro.

**Professor Incharge,
Central Scientific Store.**

Accountant
has on 21/11/15
at SNO-25448

12/11/15

UNIVERSITY OF SINDH

SCIENTIFIC EQUIPMENTS, CHEMICALS & GLASS WARE AND
LABORATORY EQUIPMENT'S ALLOCATION 2015-16

(Figure in Million)

S. NO.	NAME OF INSTITUTE / DEPARTMENT	AMOUNT
1.	Dr. M.A Kazi Institute of Chemistry	1.260
2.	Institute of Bio-chemistry	0.720
3.	Institute of Physics	0.720
4.	Institute of Information & Communication Technology	2.250
5.	Institute of Mathematics & Computer Science	1.980
6.	Institute of Plant Sciences	0.540
7.	Department of Micro Biology	0.540
8.	Department of Physiology	0.540
9.	Centre for Pure & Applied Geology	0.720
10.	Department of Zoology	0.900
11.	Department of Statistics	0.450
12.	Department of Geography	0.360
13.	Department of Psychology	0.270
14.	Institute of Arts & Design	0.450
15.	Department of Fresh Water Biology	0.270
16.	Faculty of Pharmacy	2.700
17.	Faculty of Education	0.900
18.	Institute of Women Development Studies & Home Econc	0.270
19.	Institute of Business Administration	1.620
20.	Institute of Commerce	0.450
21.	Department of Management Sciences	0.234
22.	Institute of Bio-Technology & Genetic Engineering	0.432
23.	Centre of Health & Physical Education	0.234
24.	Allama I. I. Kazi Multimedia Equipment	0.432
25.	Institute of Advanced Research Studies in Chemical Scie	0.900
26.	Centre for Environmental Sciences	0.396
27.	Medical Laboratory Physics	1.800
28.	Communication Skill Development, Faculty of Arts.	0.900
29.	Badin Campus	0.500
30.	Mirpurkhas Campus	0.500
31.	Dadu Campus	0.500
32.	Larkana Campus	0.500
33.	Thatta Campus	0.500
34.	Bhitshah Campus	0.500
35.	Naushero Feroz Campus	0.500
36.	Copmarative Religion & Islamic Culture & Muslim History	0.180
37.	Lump Sum Provision	9.802
	G.Total	36.720



UNIVERSITY OF SINDH, JAMSHORO.
Office of the Professor Incharge, Central Scientific Store.

www.usindh.edu.pk e.mail: css.usindh@gmail.com

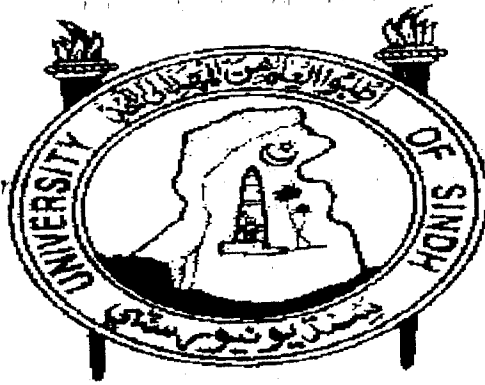
Tel & Fax + 92(0)229213200

Estimated procurement planning for 37 Department/ Institutes/ Centers/ Faculties / Campuses
(Extracted from their yearly requirement).

Necessary Information.

Provisional Budgetary allocation for each department for procurement of Computers and their accessories, Chemicals, Glassware, and Scientific Equipments & Sports material is placed at Annexure (A). Tentatively, number of Desktop computers + Laptops **200**, Multimedia projectors **50**, Printers **50**, Photocopier machines **06**, Scanner **10**. The Chemicals & Glassware for concerned Institute / Centres / Departments, the tentative procurement will be of Rs.15million. Sports material procurement will be of Rs 0.234million. Accordingly, bidders will have to deposit 02% bid security of their total bidding price. These quantities (number) may be increased or decreased, depends upon the budgetary provision allocated for the purpose subject to the final approval of the competent authority of the University of Sindh, Jamshoro. Bid offers should be quoted with all government applicable taxes.

UNIVERSITY OF SINDH



CENTRAL SCIENTIFIC STORE

A: Tender document for Purchase of Scientific Equipment and Sports material for the year 2015-2016.



UNIVERSITY OF SINDH, JAMSHORO

OFFICE OF THE CENTRAL SCIENTIFIC STORE.

Phone # 0229213203

Issued to:-

P.O. # _____

Date: _____

Requirement of Desktop Computers, Laptop, Multimedia Projector, UPS, Laser Printers, Line Printers and Computer Accessories for the year 2015-2016.....

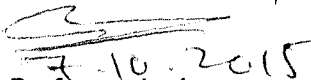
Quotation Documents

1. Desktop Computers

----- Pages

Terms & Conditions

1. The bid documents will be submitted in single stage one envelop.
2. Bidders will have to quote their rates against each item sequence wise on the official format of Tender document.
3. Bidders will have to produce call deposit / Bid Security 2% of the offered bid in shape of Pay Order / Bank Draft in the name of University of Sindh, if failure the tender document will not be entertained.
4. Details of Bid Security Submitted:
Value: _____
Dated: _____
Bank: _____
5. All applicable Government Taxes will be deducted from the bill as per Government approved rates.
6. Quantity of any item can be reduced / increased or even deleted at any time.
7. The supplier will have to produce evidence as regards their registration with FBR for income tax sales tax and (SRB) for sales tax for services and works.
8. The University authorities (procuring agency) may reject all or any bids subject to the relevant provisions of SPPRA Rules.
9. The tender document will be received back upto 29.10.2015, 12:00 Noon and will be opened at 1.00 P.M on the same day in the office of the Dean, Faculty of Natural Sciences, University of Sindh, Jamshoro.
10. Incomplete or conditional Tenders will not be accepted.
11. In case of undesirable circumstances on submission / opening date & time or if Government declares Holiday the tender shall be submitted / opened on the next working day at the same time & venue.
12. The lowest evaluated bid will be declared as successful bid.
13. All sealed tenders shall be opened in the presence of bidders or their authorized representatives / nominee who wish to be present.
14. The Lowest bidders will have to provide warranty / guarantee against the supply.
15. In case of failure of the bidder to supply the material within the stipulated time without getting extension, penalty of 2% of the supply order be imposed on the bidder.
16. The bidder will have to attach the Catalogue of the item which he wishes to supply.
17. The bidders will have to supply the items at the destination mentioned in the order.


7.10.2015
Professor Incharge,
Central Scientific Store.
University of Sindh, Jamshoro

I abide myself of the above terms and Condition

Name of Firm / Company & Signature with Stamp



UNIVERSITY OF SINDH, JAMSHORO.

Office of the Professor Incharge, Central Scientific Store.

www.usindh.edu.pk e-mail: css.usindh@qmit.com

Tel & Fax + 92(0)229213203

RECEIPT.

Received application with Demand Draft / Pay Order regarding Computers & their accessories /
Chemicals, Glassware / Scientific Equipment and Sports material for the purchase of blank
Tender documents

No.----- Dated.----- as a Tender fees Rs.-----

Reference No.C.Sci.Store/ Dated. / / 2015.

Signature
Supt./Office Assistant.
Central Scientific Store.
University of Sindh, Jamshoro.

Received blank Tender document regarding Computers & their accessories / Chemicals.
Glassware / Scientific Equipment and Sports material alongwith necessary information on
payment of Tender fee Rs.-----/- from office of the Professor In charge Central Scientific
Store.

Signature

M/s. -----



UNIVERSITY OF SINDH, JAMSHORO.
Office of the Professor Incharge, Central Scientific Store.

www.usindh.edu.pk e-mail css.usindh@gmail.com

Tel & Fax + 92(0)229213200

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(Extracted from their yearly requirement).

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UNIVERSITY OF SINDH

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LABORATORY EQUIPMENTS ALLOCATION 2015-16

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12	Department of Geography	0.360
13	Department of Psychology	0.270
14	Institute of Arts & Design	0.450
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31	Dadu Campus	0.500
32	Larkana Campus	0.500
33	Thatta Campus	0.500
34	Bhilshah Campus	0.500
35	Naushero Feroz Campus	0.500
36	Copmarative Religion & Islamic Culture & Muslim History	0.180
37	Lump Sum Provision	9.802
G.Total		36.720

Sr. #	Name of Items	Make	Unit Rate
1.	8 bit-Microcontroller Boards:8051 Slicker PART NO: PS-SLICKER-8051 OR Equivalent		
2.	1.0A RECTIFIER DIODE (Silicon) 1N4001 - 1N4007 OR Equivalent		
3.	1.0W ZENER DIODE 1N4728A - 1N4761A OR Equivalent		
4.	16 Characters LCD Interface Board OR Equivalent		
5.	16-Bit, 130 MSPS IF Sampling ADC AD9461 OR Equivalent		
6.	1 Ω , 100 Ω , 1k Ω , 1.2K Ω , 10k Ω , 100k Ω , 2.2k Ω , 3.3k Ω , 4.7k Ω , 1M Ω , 10M Ω , 100M Ω , 470k Ω , 33k Ω ohm resistors		
7.	280-UV Monitors Chart Recorder / Printer for Fraction collector		
8.	8 bit-PIC Microcontroller Kit (PIC Starter Kit) STK-PIC OR Equivalent		
9.	8051/80C51/8052/89S51/89S52 Microcontroller IC AT89S51/AT89S52 OR Equivalent		
10.	850 nm fiber optic LED source and detector module OR Equivalent		
11.	Advanced fiber optic system trainer		
12.	AM/FM signal generator trainer		
13.	Ammeter		
14.	Ammeter (0 – 1.0A) and (0 – 5.0A)		
15.	Amplifier and oscillator kit		
16.	Amylograph		
17.	Analog Multi-meter		
18.	Analog-Digital Circuits Development Platform Scientech-2614 OR Equivalent		
19.	Analytical & Top Loading Balances.		
20.	Antenna trainer with motorized rotating unit		
21.	ASC 4200 Spin Coater, 80 -6000 rpm. OR Equivalent		

Sr. #	Name of Items	Make	Unit Rate
22.	Autoclave (capacity 30 liter) Automatic/Digital. OR Equivalent		
23.	Batteries for Multi-meter 9 volts original		
24.	Bench Top PH Meter. Complete with Standard Accessories		
25.	Bio-Science Ink-Pointer		
26.	Block Digestion System (BD50). OR Equivalent		
27.	BP Apparatus Mercury		
28.	Breath Alcohol Analyzer		
29.	Brunton pocket transit conventional compass with 0-300 degree scale. OR Equivalent		
30.	Butyrometer		
31.	Calorimeter Jackets		
32.	Capacitors(0.1 μ F,0.01 μ F,0.001 μ F, 10 μ F, 100 μ F)		
33.	Capacitors(0.1 μ F,0.01 μ F,0.001 μ F, 10 μ F, 100 μ F)		
34.	Cellular Mobile Trainer (GSM-5000), Cellular Mobile Trainer (WCDMA-1370) OR Equivalent		
35.	Centrifuge Machine (Gerber) OR Equivalent		
36.	Characteristics Of IGBT		
37.	Chiller		
38.	Cisco Router 2900 series OR Equivalent		
39.	Cisco switches 2960 OR Equivalent		
40.	Cognitive Radio Trainer CR100 OR Equivalent		
41.	Complete set of Igneous Rock		
42.	Complete set of Metamorphic Rock		
43.	Complete set of Metamorphic thin section of Igneous Rock		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Sr. #	Name of Items	Make	Unit Rate
44.	Complete set of Microscopic thin section of Igneous Rock		
45.	Complete set of Sedimentary Rock		
46.	Complete set of Sedimentary thin section of Igneous Rock		
47.	Condenser machine		
48.	Copper Calorimeters (150 ml, 300 ml, and 200 ml)		
49.	DAC0800/DAC0802 8-Bit Digital-to-Analog Converters OR Equivalent		
50.	DC Motor Interface Board		
51.	DDS FUNCTION GENERATOR SG1008 OR Equivalent		
52.	Deep Freezer Double Or Single Door Dawalance / Waves / Haier. OR Equivalent		
53.	DIAC DB3 DB4 SMDB3 OR Equivalent		
54.	Diamond cutting blade 14" (14" Dia) German/England. OR Equivalent		
55.	Diamond cutting blade 8" (8" Dia) German/England. OR Equivalent		
56.	Diamond Plates (Fossil Cutting) 8 Inch		
57.	Digital Analog Trainer Kit (RSR, Deluxe) OR Equivalent		
58.	Digital balance 1gm – 500gm		
59.	Digital Balance 1mg – 100g		
60.	Digital Circuits Development Platform Scientech-2611 OR Equivalent		
61.	Digital ECG machine		
62.	Digital Electrical Balance 0.1gm to 300gm (Korea) OR Equivalent		
63.	Digital Eyepiece Microscope camera (10MP)		
64.	Digital Frequency Counter Trainer (DFCDM-100) OR Equivalent		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Sr. #	Name of Items	Make	Unit Rate
65.	Digital ph conductivity & temperature meter (Display: Backlight LCD Power: 9V/500mA External adaptor or battery unit (Optional) Operating Temperature 15~45oC). OR Equivalent		
66.	Digital satellite radio trainer		
67.	Digital vernier caliper 2/3digit OR Equivalent		
68.	Direct memory Access controller (DMA) Ic 82378 OR Equivalent		
69.	Distillation Assembly complete glass		
70.	Distillation Plant Metal Heater Type NO. P21701 01 set. OR Equivalent		
71.	Diverging/Concave Lens (focal length 10, 15, and 20 cm)		
72.	DS1074B 70MHz Digital Oscilloscope DS1074B OR Equivalent		
73.	DS4000 Series Digital Oscilloscopes DS4054-500MHz OR Equivalent		
74.	DSO SoC Processors		
75.	DSP starter kit (TMS32C6713) OR Equivalent		
76.	DTH (Direct to home receiver trainer)		
77.	Dust blower machine (Makita BUB1822) OR Equivalent		
78.	EC Probe for Multiparameter Bench Meter (AD8000) ADWA (Hungry). OR Equivalent		
79.	Electric balance Cap:1000gm and 5000gm		
80.	Electric Microscope Binocular		
81.	Electrical Circuit Fault Trainer LEW-ECF-1 OR Equivalent		
82.	Elisa Manual (open system)		
83.	Encoder and Decoder Trainer Nvis-6557 OR Equivalent		
84.	Farinograph		

Sr. #	Name of Items	Make	Unit Rate
85.	FET Characteristics Trainer Nvis-6512 OR Equivalent		
86.	Fiber optic connectorization kit (including mechanical splice) OR Equivalent		
87.	Fiber Optic networking trainer (FOTLAN100) OR Equivalent		
88.	Flame Photometer (Model FP640) Yufeng/China. OR Equivalent		
89.	Flip-Flop Trainer Nvis-6555 OR Equivalent		
90.	Fluorescence table lamps		
91.	Furnaces.		
92.	FXO-FXS Trainer OR Equivalent		
93.	Galvanometer		
94.	Galvanometers (center zero)		
95.	Ge diode 1N34A OR Equivalent		
96.	Gel Applicator for thin layer Chromatography Gel coated plates for TLC (Merck). OR Equivalent		
97.	Gel gradient Maker		
98.	Gelatin Light Filter Set for Cibacorning 254 Colorimeter (Product Code: 25226001L) England. OR Equivalent		
99.	Glucometer.		
100.	Grinding Bowl (Breitlander GMBH) Model BRHKMGI (Desktop Swing Mill, Model HK40). OR Equivalent		
101.	GTP-060A-4: 60MHz (10:1/1:1) Switchable passive probes(GW Instek GOS 630 FC oscilloscope probes) OR Equivalent		
102.	GW Instek GDS- 2064 Digital Oscilloscope OR Equivalent		
103.	HDMI Supported Multimedia Projector		
104.	HEATHKIT A-D Trainer(ETW-7000) OR Equivalent		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Sr. #	Name of Items	Make	Unit Rate
105.	HEATHKIT Analog Trainer(ETW-3600) OR Equivalent		
106.	HEATHKIT digital design experimenter ET-3200 OR Equivalent		
107.	HEATHKIT Digital Trainer ETW-3700 OR Equivalent		
108.	HEATHKIT ET-3200-B Digital Design Experimenter Zenith Educational System OR Equivalent		
109.	Heating mental		
110.	Heating Wire		
111.	Hematology Analyzer		
112.	Hot plate with Magnetic stirrer (50-1200rpm). OR Equivalent		
113.	Impact drill machine (Makita 800W 16mm) OR Equivalent		
114.	IP Audio Conference Trainer		
115.	IP PBX Trajner		
116.	IP Television Trainer		
117.	Keithley 2400 Source Meter OR Equivalent		
118.	Kymograph Assembly		
119.	Lab Dish Washer		
120.	Lab Freezer (small) (Temp; range~-50C)		
121.	Lab Sink for chemical wash Lab sink cabinet OR Equivalent		
122.	Laboratory Blender, 1 Liter with stainless steel container warning 700S 120V. OR Equivalent		
123.	Laboratory Drying Oven (temp: range = 700 C Operating Voltage 220V/50Hz Volume 10-20L). OR Equivalent		
124.	Laboratory Drying Oven (temp: range RT- 250 C Operating Voltage 220V/50Hz Volume 10-20L). OR Equivalent		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Sr. #	Name of Items	Make	Unit Rate
125.	LDR		
126.	LEDs (red, green, blue, yellow, trans,)		
127.	Limit Switches		
128.	MANET (Mobile Adhoc network trainer)		
129.	Mary's tambour		
130.	Mechanical Stirrers.		
131.	MECHTEX Uni-Directional Synchronous Motor - 375 RPM Motor Series MT0 OR Equivalent		
132.	MECHTEX Stepper Motor 15 DEGREE MTS2b OR Equivalent		
133.	Melting Point Apparatus		
134.	Microscope lance DIN40/0.65 (Swift M-3200)		
135.	Microscope lens 40X (labomed, semi plain, Achro 40/0.65) OR Equivalent		
136.	Microtome Blades OR Equivalent		
137.	Microwave Communication Trainer		
138.	Moisture analyzer OR Equivalent		
139.	MP-2 Peristaltic Pump Drive. 230V, 50/60Hz, 400VA (146821 Fast Load Pump Head For MP-2, 123762 Silicone Tubing 1/4" OD x 1/8" ID, # 16, (15 meters/pk.), 123790 Silicone Tubing 7/16" OD x 5/16" ID, # 18, (15 meters/pk). OR Equivalent		
140.	Naugra D.C. Motor Speed Control Trainer		
141.	Naugra Optical Transducer Trainer Code: ITT-TR-07 OR Equivalent		
142.	Netz-Thyristor-Modul Phase Control Thyristor Module TT330N OR Equivalent		
143.	NPN transistor silicon 2N4401 OR Equivalent		
144.	OPTO Electronics Transducer TL-28 OR Equivalent		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Sr. #	Name of Items	Make	Unit Rate
145.	Parallel interface adapter (PIA) Ic 8255 OR Equivalent		
146.	PC controlled work station for Cyclic-Voltammetry and complete setup (BAS Epsilon potentiostat). It is controlled from a computer running Windows. A number of different electrochemical techniques are available in the Epsilon software, including cyclic voltammetry (current vs. potential for a linear potential sweep), chronoamperometry, time base, bulk electrolysis (current vs. time at a constant potential), and chronopotentiometry (potential vs. time at a fixed current). Full experimental setup. OR Equivalent		
147.	PCM switching and transmission system mode. PCM/EV OR Equivalent		
148.	PH Meter Desktop CD620 OR Equivalent		
149.	PH meter digital (portable) OR Equivalent		
150.	pH meter multi purpose (HACH)		
151.	pH Meters/Do Meters/ Anemo Meters.		
152.	Photo Diode Characteristics Apparatus HL-8006 OR Equivalent		
153.	Photo Diode, Photo Transistor And LDR Characteristics Kit (jayam electronics) OR Equivalent		
154.	Physical Balance Best Quality		
155.	PIR, Heartbeat, Temperature, Accelerometer, infrared sensors OR Equivalent		
156.	Plastic Silicon Photodiode QSD2030F OR Equivalent		
157.	Platinum pans for TG/DTA Perkin Elmer OR Equivalent		
158.	PNP transistor silicon 2N3906 OR Equivalent		
159.	Pocket Digital Multimeter Uni-Trend UT33C OR Equivalent		
160.	Potentiometers (100Ω, 1kΩ, 10kΩ, 100kΩ, 1MΩ, 10MΩ, 100MΩ, 500MΩ)		
161.	Programmable peripheral interface (PPI) Ic 8255 OR Equivalent		
162.	Proximity Switches		
163.	Push Button		

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164.	R and D electronics (measurement of temperature using RTD, thermocouple and thermistor) TEM-100 OR Equivalent		
165.	Referactometer (Bench Top) OR Equivalent		
166.	Reference electrode Ag/AgCl		
167.	Refrigerator 12cft, 10cft Dawalance / Haier / Orient		
168.	Relay 12 volts		
169.	RF signal generator trainer		
170.	Rheostats (0 – 50 ohms)		
171.	Rotary Evaporator, Buchi R-210 OR Equivalent		
172.	Rotary Potentiometers		
173.	Rotatory Chiller OR Equivalent		
174.	Sieves Set (0.25mm – 8mm hole size) Aluminum (Germany) OR Equivalent		
	Silicon Carbide Powders for Preparing thin Sections Grit size: 80,240,400, 600, 800, 1000, 1500. OR Equivalent.		
176.	Silicon NPN Phototransistor, RoHS Compliant BPW77NA, BPW77NB OR Equivalent		
177.	Skin Fold Caliper OR Equivalent		
178.	Smart antennas trainer		
179.	Software simulated radar trainer		
180.	Spectrophotometer (Product Code: H199550) Double Beam (Germany) OR Equivalent		
181.	Spectrophotometer Single Beam USA OR Equivalent		
182.	Spectrum Analyzer		
183.	Spiral Spring (Nuffield Type)		
184.	Stabilizer for Refrigerator 1000Watts OR Equivalent		

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Sr. #	Name of Items	Make	Unit Rate
185.	Standard Resistors (1, 2, 3, 5, and 10 ohms)		
186.	Starling's Heart Lever OR Equivalent		
187.	Stethograph OR Equivalent		
188.	Stop Clocks		
189.	Surgical tools OR Equivalent		
190.	Temperature magnetic hot plate stirrer Stir Speed: 1 to 4000 rpm Temperature range RT to 350C. OR Equivalent		
191.	Texture Analyzer OR Equivalent		
192.	Thermometer Pocket SH4/A OR Equivalent		
193.	Thyristor & Power Electronics Trainer THY-01 OR Equivalent		
194.	TMS 320C6748 DSP Development kit OR Equivalent		
195.	Toggle Switches		
196.	Top Loading Balance complete with standard accessories OR Equivalent		
197.	Transmission Line Trainer (TRL-100S) OR Equivalent		
198.	TTL & CMOS Characteristics Trainer Nvis-6551A OR Equivalent		
199.	Ultrasonic Sonicator bath, (Time setting: 1-99min adjustable, Temperature setting: 0 °C-80 °C ,capacity from 1L to 13L) OR Equivalent		
200.	Universal Force Table		
201.	Universal Programmer (Microcontroller 8051) OR Equivalent		
202.	USB Microscope with Monitor/Screen		
203.	UV lamp 365nm 60W Lamps with holders OR Equivalent		
204.	V- I Characteristics Of SCR Trainer Kit Nvis-6530 OR Equivalent		
205.	V- I Characteristics Of TRIAC Trainer Kit (jayam electronics) OR Equivalent		

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Sr. #	Name of Items	Make	Unit Rate
206.	VANET (vehicular adhoc network trainer) OR Equivalent		
207.	V-I Characteristics Of DIAC Trainer Kit (jayam electronics) OR Equivalent		
208.	Viscometers.		
209.	VLSI Kit VLSI-200 OR Equivalent		
210.	VOIP ADSL Gateway Trainers		
211.	Voltmeter		
212.	Vortex Mixer OR Equivalent		
213.	Water analyzer machine		
214.	Water Bath 4, 6, 8 Holes (Ordinary / Electric Thermostat) OR Equivalent		
215.	Wireless Sensor network trainer		
216.	Wireless water sensor trainer		
217.	Working electrodes for voltammetry With Pt wire OR Equivalent		
218.	ZnSe Disc of FTIR Thermo Electron		
219.	ZZS-OSIZ-AT71 Digital video Zoom system (Trinocular head), power source 220v AC50 Hz complete, Including following attachments. PGD-150Z. DGGF dual Gooseneck Illuminator. III-FLAV 1071 fluorescent ring light. III-LEDV-RL 73 LED ring light. BVC-CN 13-CMTI BLOVID video camera with lens and Eye piece. BVC-UVCD SFT 3-Biedo capture 2.0USB device. MVC-USMP-EMT 35 MP minvid camera USB. VIP-MN 19-HDTV 19" LCD Screen. User Manual, Power cards, CDs. OR Equivalent Specification.		

**Professor Incharge,
Central Scientific Store,
University of Sindh, Jamshoro.**

I abide myself of the above terms and Condition

Name of Firm & Signature with Stamp

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

S.No	Name of Items	Make	Unit Rate
1	Cricket Bat		
2	Cricket Bating Paid		
3	Cricket Wicket keeping pads		
4	Cricket Wicket keeping Gloves		
5	Cricket Batting Gloves		
6	Cricket Hard Ball (4 Pics)		
7	Shuttle Cock (Plastic)		
8	Shuttle Cock (Hiqua Blue)		
9	Stump Local		
10	Tennis Balls Shield		
11	Badminton Rackets (Yonex)		
12	Squash Ball		
13	Net Ball Thailand		
14	Hand Ball		
15	Air Pump Cylindrical manual		
16	Vacuum Cleaner (Electric)		
17	Kit Bag (Cricket)		
18	Weight Scale (Domestic)		
19	High Jump Mats		
20	Skipping ropes		

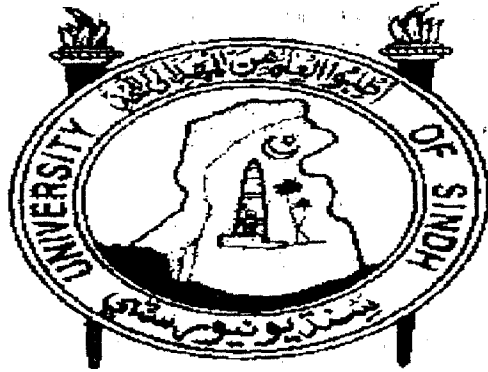
Sr. #	Name of Items	Make	Unit Rate
21	Foot Ball		
22	Signals for the official of Volley Ball		
23	Tennis Racket		
24	Basket Ball- Ball Thailand		
25	Table Tennis Racket wood butterfly		
26	Table Tennis Racket Rubber butterfly		

**Professor Incharge,
Central Scientific Store.
University of Sindh, Jamshoro.**

I abide myself of the above terms and Condition

Name of Firm & Signature with Stamp

UNIVERSITY OF SINDH



CENTRAL SCIENTIFIC STORE

**B: Tender document for Purchase of Chemicals,
Glassware etc for the year 2015-2016.**

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
1.	[2,2'-azinobis-(3-ethylbenzothiazoline-6-sulfonic acid)](ABTS)		
2.	1, 4-Dithio-DL-threitol		
3.	1,10-phenanthroline		
4.	1,2-diaminocyclohexane		
5.	1,2-Phenylenediamine		
6.	1,3-propylenediamine		
7.	1,5-Diphenylcarbazine		
8.	1,6-dibromo hexane		
9.	1-acetonaphthone		
10.	1-Naphthaleneacetic acid		
11.	1-Pyrenecarboxaldehyde		
12.	2-(chloromethyl)oxirane		
13.	2,2'-Bipyridine		
14.	2,2-Diphenyl-1-picrylhydrazyl DPPH (ACS)		
15.	2,4,6-Trihydroxybenzaldehyde		
16.	2,4,6-Trihydroxybenzaldehyde phenol		
17.	2,4-dinitrophenylhydrazine		
18.	2,5-Bis(1-naphthyl)-1,3,4-oxadiazole 99%		
19.	2,5-Bis(5-tert-butyl-benzoxazol-2-yl)thiophene suitable for scintillation, 99%		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
20.	2,6-diacetylpyridine		
21.	2-Amino Phenyl Carbonitrile		
22.	2-hydroxy acetophenone		
23.	2-hydroxy naphthaldehyde		
24.	2-naphthal		
25.	2-naphthalene sulfonyl chloride		
26.	2-Oxobutyric acid		
27.	2-thiophene sulfonyl chloride		
28.	3,4-Diaminobenzhydrazide		
29.	3-Aminophenol		
30.	3-hydroxy-4-methoxy Benzaldehyde		
31.	3-Methyl-2-oxobutanoic acid		
32.	4 dimethylaminocinnamaldehyde		
33.	4-(1-naphthyl)-3-thiosemicarbazide		
34.	4-(Dicyanomethylene)-2-methyl-6-(4-dimethylaminostyryl)-4H-pyran Dye content 98%		
35.	4,4-diaminophenyl ether		
36.	4-Aminoantipyrine		
37.	4-aminobenzoic hydrazide		
38.	4-Aminophenol		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Sr. #	Name of Items	Make	Unit Rate
44.	Complete set of Microscopic thin section of Igneous Rock		
45.	Complete set of Sedimentary Rock		
46.	Complete set of Sedimentary thin section of Igneous Rock		
47.	Condenser machine		
48.	Copper Calorimeters (150 ml, 300 ml, and 200 ml)		
49.	DAC0800/DAC0802 8-Bit Digital-to-Analog Converters OR Equivalent		
50.	DC Motor Interface Board		
51.	DDS FUNCTION GENERATOR SG1008 OR Equivalent		
52.	Deep Freezer Double Or Single Door Dawalance / Waves / Haier. OR Equivalent		
53.	DIAC DB3 DB4 SMDB3 OR Equivalent		
54.	Diamond cutting blade 14" (14" Dia) German/England. OR Equivalent		
55.	Diamond cutting blade 8" (8" Dia) German/England. OR Equivalent		
56.	Diamond Plates (Fossil Cutting) 8 Inch		
57.	Digital Analog Trainer Kit (RSR, Deluxe) OR Equivalent		
58.	Digital balance 1gm – 500gm		
59.	Digital Balance 1mg – 100g		
60.	Digital Circuits Development Platform Sciencetech-2611 OR Equivalent		
61.	Digital ECG machine		
62.	Digital Electrical Balance 0.1gm to 300gm (Korea) OR Equivalent		
63.	Digital Eyepiece Microscope camera (10MP)		
64.	Digital Frequency Counter Trainer (DFCDM-100) OR Equivalent		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
58.	Acetonitrile		
59.	Acetonitrile HPLC-grade		
60.	Acetyl acetone		
61.	Acetyl chloride		
62.	Acetylpyridine		
63.	Acrylamide (molecular biology grade)		
64.	Adrenaline (epinephrine)		
65.	Agar Agar		
66.	Agar Powder		
67.	Agarose		
68.	Agarose (Molecular Grade)		
69.	Agarose powder		
70.	Albumin (Bovine)		
71.	Alcohol		
72.	Alizarin Complexone dihydrate		
73.	alpha-Naphthol		
74.	alpha-Tocopherol		
75.	Aluminium foil		
76.	Aluminum chloride		
77.	Aluminum chloride (analytical grade)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
78.	Amaranth		
79.	Amberlite xad-16		
80.	Amino Z Nephthel		
81.	Ammonia Alum (ACS)		
82.	Ammonia Chloride (Cat # 12125-02-9)		
83.	Ammonia Solution		
84.	Ammonium acetate		
85.	Ammonium Acetate Analytical Grade		
86.	Ammonium bisulphate		
87.	Ammonium chloride		
88.	Ammonium Hydrogen phosphate		
89.	Ammonium hydroxide		
90.	Ammonium molybdate IV (analytical grade)		
91.	Ammonium molybdatetetrahydrate (Cat #12054-85-2)		
92.	Ammonium Nitrate 99% for Analysis		
93.	Ammonium Persulfate (molecular biology grade)		
94.	Ammonium persulphate		
95.	Ammonium sulphate		
96.	Amonium Oxalate		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
97.	Amyl alcohol		
98.	Amylose		
99.	Anhydrous Sodium dihydrogen phosphate (NaH ₂ PO ₄) (molecular biology grade)		
100.	Aniline		
101.	APS (Ammonium per sulfate) for Electrophoresis		
102.	Arginine		
103.	Ascorbic Acid (ACS)		
104.	Ascorbic acid (Cat #5081-7)		
105.	Asparagine		
106.	Auxin&Gibberellin Powder		
107.	Bacteriological agar powder		
108.	Barbital sodium		
109.	Barium chloride (Cat # 10361-37-2)		
110.	Beef extract		
111.	BEHP-PPV		
112.	Bentonit		
113.	Benz [b] anthracene 98%		
114.	Benzene		
115.	Benzoic acid		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Sr. #	Name of Items	Make	Unit Rate
125.	LDR		
126.	LEDs (red, green, blue, yellow, trans,)		
127.	Limit Switches		
128.	MANET (Mobile Adhoc network trainer)		
129.	Mary's tambour		
130.	Mechanical Stirrers.		
131.	MECHTEX Uni-Directional Synchronous Motor - 375 RPM Motor Series MT0 OR Equivalent		
132.	MECHTEX Stepper Motor 15 DEGREE MTS2b OR Equivalent		
133.	Melting Point Apparatus		
134.	Microscope lance DIN40/0.65 (Swift M-3200)		
135.	Microscope lens 40X (labomed, semi plain, Achro 40/0.65) OR Equivalent		
136.	Microtome Blades OR Equivalent		
137.	Microwave Communication Trainer		
138.	Moisture analyzer OR Equivalent		
139.	MP-2 Peristaltic Pump Drive. 230V, 50/60Hz, 400VA (146821 Fast Load Pump Head For MP-2, 123762 Silicone Tubing 1/4" OD x 1/8" ID, # 16, (15 meters/pk.), 123790 Silicone Tubing 7/16" OD x 5/16" ID, # 18, (15 meters/pk). OR Equivalent		
140.	Naugra D.C. Motor Speed Control Trainer		
141.	Naugra Optical Transducer Trainer Code: ITT-TR-07 OR Equivalent		
142.	Netz-Thyristor-Modul Phase Control Thyristor Module TT330N OR Equivalent		
143.	NPN transistor silicon 2N4401 OR Equivalent		
144.	OPTO Electronics Transducer TL-28 OR Equivalent		

Note: All bidders should quote the price according to specification mentioned in tender document-For any equivalence a detailed specification with features may be mentioned. Ambiguous tender will not be accepted.

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
136.	Buffer Tablets pH 4, 7, 9, 11		
137.	Butanol (anhydrous grade)		
138.	Butylhydroxytoluene		
139.	Calcium (Cat # 7440-07-2)		
140.	Calcium Chloride		
141.	Canada Balsium (Solid)		
142.	Carbon tetra chloride		
143.	Carbon tetrachloride		
144.	Carborundum Powder of 100 Grits		
145.	Carborundum Powder of 1000 Grits		
146.	Carborundum Powder of 200 Grits		
147.	Carborundum Powder of 400 Grits		
148.	Carborundum Powder of 600 Grits		
149.	Carmine		
150.	Casein soluble		
151.	Castor oil		
152.	Cellulose		
153.	Ceric ammonium nitrate		
154.	Cetyltrimethylammonium bromide		
155.	Chcl3 chloroform		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
156.	Chitosan		
157.	Chloramphenicol		
158.	Chlorauric acid		
159.	Chloroform		
160.	Chloroform (analytical grade)		
161.	Chlorosulphonic acid		
162.	Choline Bitartrate		
163.	Cinnamon Aldehyde		
164.	Citalopram Hydro bromide Cat # 59729-32-7)		
165.	Citric acid		
166.	Copper (II)		
167.	Copper sulphate		
168.	Coronene purified by sublimation, 99%		
169.	Cupric Acetate		
170.	Cupric Chloride		
171.	Cysteine		
172.	D(+)-Glucose(Monohydrate)		
173.	D.P.P.H (1,1-diphenyl-2-picrylhydrazyl)		
174.	D-Biotin		
175.	Dextran 150		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
176.	Dextrose		
177.	D-glucose		
178.	Di-Chloromethane		
179.	Diethyl ether		
180.	Dimethyl phthalate		
181.	Dimethyl sulfide (DMSO)		
182.	Dinitrosalicylic acid		
183.	Dinitrosalicylic acid		
184.	Diphenylamine Indicator		
185.	Diphenylthiocarbazone (dithizone)		
186.	Di-Sodium Hydrogen Phosphate (Solid		
187.	Dithiothreitol		
188.	DTPA (Diethylenetriaminepentaacetic Acid)		
189.	Eriochrome Black T		
190.	Ethanol (analytical grade)		
191.	Ethanol Absolute		
192.	Ethidium Bromide (ACS)		
193.	Ethyl Acetate		
194.	Ethyl alcohol		
195.	Ethyl Methane sulphonate (EMS)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
196.	Ethylen glycol + monomethyl ether		
197.	Ethylenediaminetetraacetic acid potassium (EDTA K2) (reagent grade)		
198.	Ethylenediaminetetraacetic acid sodium (EDTA Na2) (molecular biology grade)		
199.	Ferion indicator		
200.	Ferric chloride		
201.	Ferric Chloride (anhydrous) (ACS)		
202.	Ferric hydrochloride		
203.	Ferric Nitrate		
204.	Ferrous Ammonium Sulfate		
205.	Ferrous Sulfate		
206.	Ferrozine		
207.	Folin		
208.	Folin Reagent		
209.	Folin-Ciocalteau Reagent		
210.	Formalin		
211.	Formic Acid		
212.	Fructose		
213.	GA3 (Gibberellic acid hormone)		
214.	Galactonic acid		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
215.	γ -Cyclodextrine		
216.	Geimsa Stain (premium / GMP quality)		
217.	Gelatin		
218.	Gentamicin sulphate		
219.	Geranyl Pyrophosphate GPP		
220.	German Glue		
221.	Glacial acetic Acid (reagent grade)		
222.	Glucose		
223.	Glucose		
224.	Glutahionereductase		
225.	Glutathione peroxidase		
226.	Glycine		
227.	Glycine (molecular biology grade)		
228.	Glycolic acid		
229.	Griess reagent		
230.	Guanidine		
231.	Gum Acacia		
232.	Hexamethylenetetramine		
233.	Hexane		
234.	Hexane (anhydrous grade)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
235.	HPLC-grade n-Hexane		
236.	Hydrazine		
237.	Hydrochloric acid		
238.	Hydrochloric Acid Concentrated/ molecular biology grade (conc+dil)		
239.	Hydrogen per Oxide		
240.	Hydroxyl phenyl hydrazine		
241.	Hydroxyproline		
242.	Immersion oil (microscopy)		
243.	Indole-3-butyric acid		
244.	Iodine		
245.	Iodine (analytical grade)		
246.	Ion -Exchanger (V)		
247.	Ir(PIQ) ₃		
248.	Ir(PPy) ₃		
249.	Isoamyl alcohol (analytical grade)		
250.	Isobutanol		
251.	Isopropanol (analytical grade))		
252.	Kjeltabs Copper (2.5g K ₂ SO ₄ + 0.4g CuSO ₄ .5 H ₂ O)		
253.	KOH (reagent grade) Pd. Hydroxide		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
254.	Lactose		
255.	Lactose		
256.	Lead Acetate		
257.	Leishman stain (reagent grade)		
258.	Liquid phenyl		
259.	Lithium aluminum hydride		
260.	Lithium Chloride Analytical Grade		
261.	Litmus blue		
262.	Macconkey Agar		
263.	macconkey agar		
264.	macconkey agar		
265.	Magnesium		
266.	magnesium stearate		
267.	Magnesium Sulphate		
268.	Maltose		
269.	MDMO-PPV		
270.	Meat Extract		
271.	Mercuric Chloride		
272.	Mercuric chloride		
273.	Mercuric Nitrate		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
274.	metaphosphoric acid		
275.	Methanol Analytical grade		
276.	Methanol HPLC-grade		
277.	Methionine		
278.	Methyl Alcohol		
279.	Methyl glue		
280.	Methyl isobutyl ketone		
281.	Methyl orange		
282.	Methyl red		
283.	Methyle acetate (Cat # 79-20-9)		
284.	Methylene blue (reagent grade)		
285.	Methylene Blue Trihydrate		
286.	Methylene chloride		
287.	MgCl (molecular biology grade)		
288.	Morin		
289.	Morpholine		
290.	N α -Benzoyl- L -arginine 4-nitroanilide hydrochloride		
291.	N-(2-furyl) piperazine		
292.	N,N,N',N'-Tetramethylethylenediamine		
293.	N,N-dimethyl foramide		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
294.	N-Aminophthalimide		
295.	Naringenin		
296.	Neocuproine		
297.	N-ethyl piperazine		
298.	n-Hexane		
299.	Nickel Sulphate		
300.	Ninhydrin		
301.	Ninhydrin (ACS)		
302.	Nitric acid		
303.	Nitric acid (Conc+ dil)		
304.	Nitrobenzene		
305.	Nor adrenaline (epinephrine)		
306.	NPB/NPD		
307.	N-propylpiperazine		
308.	Nutrient Agar		
309.	Nutrient Agar (ACS)		
310.	O- Phenolphthalein		
311.	O-Phenylenediamine		
312.	Oxalic Acid		
313.	Oxalyl di hydrazide		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
314.	P3BT/P3BT-RR		
315.	P3DDT		
316.	P3HT		
317.	PANI		
318.	Para phenyl oil		
319.	Paraffin Oil		
320.	PCR water		
321.	PEDOT		
322.	Peptone		
323.	Perchloric acid		
324.	Phenazone		
325.	Phenol		
326.	Phenol (crystal)		
327.	Phenyl benzoate (Cat # 93-99-2)		
328.	Phenyl hydrazine		
329.	Phenylpyruvic acid		
330.	Phloroglucinol		
331.	Phosphomolybdic acid		
332.	Phosphoric Acid		
333.	Phosphoryl chloride		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
334.	Picric Acid		
335.	Platinic acid		
336.	Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) 2.8 wt% dispersion in H ₂ O, low-conductivity grade		
337.	Poly(3-octylthiophene-2,5-diyl)		
338.	Poly(Benzimidazobenzophenanthroline Ladder)		
339.	Polyaniline (emeraldine salt) average Mw > 15,000, powder (Infusible), 3-100µm particle size		
340.	Polypyrrole		
341.	Polypyrrole conductivity 10-50 S/cm (pressed pellet)		
342.	Polystyrene		
343.	Potassium acetate		
344.	Potassium antimony tartrate trihydrate (Cat # 28300-74-5)		
345.	Potassium Chloride		
346.	Potassium chloride (ACS)		
347.	Potassium Cyanide		
348.	Potassium di hydrogen phosphorus		
349.	Potassium dichromate (Cat # 7778-50-9)		
350.	Potassium dihydrogen phosphate		
351.	Potassium ferric cyanide		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
352.	Potassium ferricyanide (analytical grade)		
353.	Potassium Hydrogen Phosphate		
354.	Potassium hydrogen phosphorous		
355.	Potassium hydroxide		
356.	Potassium Iodate		
357.	Potassium Iodide		
358.	Potassium iodide		
359.	Potassium Nitrate		
360.	Potassium Per Sulphate		
361.	Potassium permanganate		
362.	Potassium permanganate (analytical grade)		
363.	Potassium persulfate (K ₂ S ₂ O ₈) (ACS)		
364.	Potassium phosphate dibasic (K ₂ HPO ₄) (ACS)		
365.	Potassium phosphate monobasic (KH ₂ PO ₄) (ACS)		
366.	Potassium sodium tartrate		
367.	Potato Dextrose Agar		
368.	POT-Co-DOT		
369.	Poy(9-vinylcarbazole) average Mw ~1,100,000, powder		
370.	Protein marker (ladder)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
371.	Protein standard (Pre stained marker)		
372.	Proteinase K (molecular biology grade)		
373.	PTAA		
374.	Pyridoxil hydrochloride		
375.	Pyridoxyl Aldelyde		
376.	Pyrocatechol		
377.	Quercetin Dihydrate		
378.	Reduced glutathione		
379.	Reveratrol standard		
380.	Rosaniline		
381.	Rubrene		
382.	Sabred dextrose saboured		
383.	Salicylaldehyde		
384.	Salicylic acid		
385.	Schiff reagent		
386.	Sea Salt (reagent grade)		
387.	Selenium Tetra Chloride		
388.	Sephadex ® G-100-120		
389.	Sephardic acid sulphuric		
390.	Silica gel 70 mesh for column chromatography		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
391.	Silica Gel, 60 G, Kieselgel 60 G(6.0-7.0) M.60.09 g.mol		
392.	Silver diethyldithiocarbamate		
393.	Silver Nitrate		
394.	Silver Nitrate (molecular biology grade)		
395.	Silver sulfate (Cat # 10294-26-5)		
396.	Sodium (Dodecyl sulfate)		
397.	Sodium Acetate		
398.	Sodium Acetate Trihydrate		
399.	Sodium acid phosphate		
400.	Sodium azide (reagent grade)		
401.	Sodium bicarbonate		
402.	Sodium borohydride		
403.	Sodium Carbonate		
404.	Sodium carbonate (ACS)		
405.	Sodium Chloride		
406.	Sodium Chloride		
407.	Sodium chloride (analytical grade)		
408.	Sodium Citrate		
409.	Sodium citrate (reagent grade)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
410.	Sodium Cyanide		
411.	Sodium diethyldithiocarbamate		
412.	Sodium Dodecyl Sulfate (S.D.S)		
413.	Sodium dodecyl sulfate (molecular biology grade)		
414.	Sodium dodecyl Sulphate		
415.	Sodium E.D.T.A		
416.	Sodium fluoride		
417.	Sodium Hydrogen Phosphate		
418.	Sodium Hydroxide		
419.	Sodium hydroxide		
420.	Sodium Hypochloride		
421.	Sodium Iodate (reagent grade)		
422.	Sodium metal		
423.	Sodium Nitrate		
424.	Sodium nitrate (Cat # 7631-99-4)		
425.	Sodium nitroprusside		
426.	Sodium Phosphate		
427.	Sodium phosphate (analytical grade)		
428.	Sodium phosphate dibasic (Na ₂ HPO ₄) (molecular biology grade)		

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Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
429.	Sodium potassium citrate		
430.	Sodium Potassium tartarte		
431.	Sodium Potassium Tartrate		
432.	Sodium potassium titrate		
433.	Sodium salycilite		
434.	Sodium sulfate Cat # 7757-82-6)		
435.	Sodium sulphate anhydrous		
436.	Sodium tetraborate 10H ₂ O		
437.	Sodium Thiosulphate		
438.	Sodium Tungstate		
439.	Standard for Aflatoxin(B1, B2, G1, G2)		
440.	Standard pH Buffer 4 Capsule		
441.	Standard pH Buffer 7 Capsule		
442.	Starch		
443.	Sucrose		
444.	Sulfuric Acid (molecular biology grade)		
445.	Sulfuric Acid Analytical Grade		
446.	Sulphonic Acid		
447.	Sulphuric Acid 97%concentrated		
448.	Super Mix		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
449.	Taurine		
450.	TE buffer (molecular biology grade)		
451.	Technical Agar		
452.	TEMED (molecular biology grade)		
453.	<i>tert</i> -Butyl alcohol		
454.	Tetra chlorosilane		
455.	Tetrabromophthalic anhydride		
456.	TetrahydroFuran		
457.	Thiamine		
458.	Thiocyanate		
459.	Thionyl chloride		
460.	Thiosemicarbazide		
461.	Tin		
462.	Toluene		
463.	Trichloroacetic acid (ACS)		
464.	Tris (4-carbazoyl-9-ylphenyl) amine 97%		
465.	TRIS (Base)		
466.	Tris (hydroxymethyl) aminomethane (molecular biology grade)		
467.	Tris (Hydroxymethyl) methylamine		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Make	Unit Price
468.	Tris-Chloride		
469.	Trisodium Citrate (analytical grade)		
470.	Tri-sodium citrate Dihydrate		
471.	TritonX100 (ACS)		
472.	Truck's solution (Prepared) for WBC count		
473.	Trypan blue (molecular biology grade)		
474.	Tryptamine		
475.	Tungsten (IV) Chloride		
476.	Turpentine oil		
477.	Tyrosine		
478.	Vanillin		
479.	Vanillin		
480.	Vitamin A standard		
481.	Vitamin B2		
482.	Vitamin B2		
483.	Vitamin C		
484.	Vitamin D standard		
485.	White petroleium jelly		
486.	Xyelene		
487.	Xylose (oat)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

S. No.	Name of Items	Make	Unit Price
488.	Yeast Extract		
489.	Zinc Chloride		
490.	Zinc Dust		
491.	Zinc Granulate		
492.	Zinc oxide		
493.	Zinc Selenide Crystal Disc for FTIR		
494.	α -Cyclodextrin		
495.	α -Ketoglutaric acid		
496.	α -Naphthol		
497.	β -Cyclodextrine		

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Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau),
Glassware (Borosilicate Boomax China / Pyrex Germany).

S. #	Name of Items	Make	Unit Rate
1.	15ml Screw cap falcon conical bottom centrifuge tubes (plastic)		
2.	24well,flat bottom corning ®Costar® cell culture plates		
3.	50ml Screw cap falcon conical bottom centrifuge tubes (plastic)		
4.	6well clear multiple well plates, flat bottom, with lid, sterile		
5.	Adapter DA 23		
6.	Adapter DA 24		
7.	Adapter DA 25		
8.	Adjuster 1000uL		
9.	Adjuster 100uL		
10.	Adjuster 20uL		
11.	Adjuster 500uL		
12.	Adjuster 50uL		
13.	Adjuster 50uL		
14.	Araldite Rapid crystal		
15.	B.D syringes 3 ml		
16.	B.D syringes 5 ml		
17.	Balloting Paper White (Large Size)		
18.	Beaker 1000 ml		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
19.	Beaker 100ml		
20.	Beaker 250 ml		
21.	Beaker 500ml		
22.	Beaker 50ml		
23.	Blood Collecting Bottles		
24.	Bottle wide mouth 250ml		
25.	Brush for test tube S.M		
26.	Buchner Funnel Plastic 100mm (Small)		
27.	Buchner Funnel Plastic 150mm (Medium)		
28.	Buchner Funnel Plastic 200mm (Large)		
29.	Bunsen Burners/Stoves		
30.	Burette with clip 50ml		
31.	Burner		
32.	Cabinet for Herbarium Sheets		
33.	Capillary tube		
34.	Cavity block with glass cover small		
35.	Charts and models of various systems		
36.	China Crucible with lid 25mm		
37.	China dish 100ml		
38.	China dish 250cc		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
39.	China dish 30ml		
40.	Chromatography Jar 20x20c 1Cont		
41.	Chromatography plates for TLC 7½"x3½"		
42.	Collection box wooden		
43.	Colum Fe 3/13		
44.	Column (Quick fit) CR 20/40 with interred glass		
45.	Condenser C1/12 19/26		
46.	Condenser Q/F 24/29 Coil		
47.	Conical flask 1000ml		
48.	Conical Flask 100ml		
49.	Conical flask 100ml with stopper		
50.	Conical Flask 250ml		
51.	Conical Flask 25ml		
52.	Conical Flask 500ml		
53.	Conical Flask 50ml		
54.	Connecting Wires (0.5m each)		
55.	Constantan Wires (SWG 20, 22, 24, 26, 28, and 30)		
56.	Contact Switches		
57.	Converging/Concave Mirrors (focal length 10, 15, and 20 cm)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

S. #	Name of Items	Make	Unit Rate
58.	Cover Slips 18x18 and 24x24 (Ship brand)		
59.	Crocodile Clips		
60.	Culture Tube with caps (20ml)		
61.	Cuvettes for,UV-Vis Spectrophotometer		
62.	Digestion Tube Glass 100ml 4003006 for Block Digestion System (BD-50)		
63.	Discussion Board ,		
64.	Discussion box		
65.	Disposable tips 2 μ l,10 μ l,20-200 μ l,1000 μ l for adjustable micropipettes		
66.	Distillation Adaptor Q/F 24/29		
67.	Distillation apparatus 5litre		
68.	Distillation Assembly complete glass		
69.	Droppers Bottles 1000ml 500ml 250ml, 100ml, 50ml, 25ml, 10ml, 5ml (Glass)		
70.	Droppers plastic 500ml, 250ml, 100ml, 50ml, 10ml, 5ml		
71.	Dropping reagent bottles 50/100ml China T-Shape OR Equivalent.		
72.	Dropping solution		
73.	Falcon tubes		
74.	Filter Paper 41,42,43,Whatman UK OR Equivalent.		
75.	Flask Round Bottom FR 100/1S		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
76.	Flask Round Bottom FR 250/1S		
77.	Flask Round Bottom FR 500/1S		
78.	Flower Cutters		
79.	Forceps Large		
80.	Forceps Small		
81.	Funnel 1000mm		
82.	Funnel 75mm		
83.	Glass Beakers (100 ml, 150 ml, 250 ml, 500 ml and 600 ml)		
84.	Glass Blocks (rectangular 11 x 6 x 2 cm)		
85.	Glass pipette 10ml		
86.	Glass pipette 1ml		
87.	Glass pipette 2ml		
88.	Glass pipette 5ml		
89.	Glass rod 24"		
90.	Gloves Plastic 6" and 8"		
91.	Gloves Rubber 6" and 8"		
92.	Gluko card Lancet		
93.	Gluko Meter Strips		
94.	Gross structural slides of various tissues		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
95.	Gum Tap Paper (2mm)		
96.	Half Meter Rules		
97.	HCV Test Strips		
98.	Hemocytometer		
99.	Herbarium Sheets (Standard Size)		
100.	Human Body in torso model		
101.	Ignition tube		
102.	Insect collection Nets		
103.	Insect pins size 1,2,3 & 4		
104.	Iron stand small		
105.	Iron stand large		
106.	Kymograph Assembly		
107.	Lab coats		
108.	LDP wash bottle Cat # Z177024 ALDRIC H)		
109.	Lenses Cleaner Paper for Microscope		
110.	List of Antibiotic powder: 1. Ampicillin (100g) 2. Kanamycin (25g) 3. Chloromphenicol (25g) 4. Tetracycline (25g)		
111.	List of Antibiotics Disks: 1. Cartridges of cefotaxime CTX30 (30µg).		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

	2. Cartridge of ceftazidimeCAZ30C(30µg). 3. Cartridge of AztreonamATM30C(30µg). 4. Cartridge of CefpodoximeCPD10C(10µg). 5. Cartridge of Ceftriazone (30µg). 6. Cartridge of Ceftazidime-clavulanic acid (30/10µg) 7. Cartridge of Cefotaximeclavulanic acid (30/10µg). 8. Cartridge of Clavulanic acid (10µg)		
S. #	Name of Items	Make	Unit Rate
112.	Magnetic Stirrer bar		
113.	Magnets and Plotting Compass		
114.	Mary's tambour		
115.	Mass Hangers (5g, 10g, 20g, 50g, and 100g)		
116.	Measuring cylinder 1000ml		
117.	Measuring cylinder 100ml		
118.	Measuring Cylinder 10ml		
119.	Measuring cylinder 250ml		
120.	Measuring Cylinder 25ml		
121.	Measuring Cylinder 500ml		
122.	Measuring cylinder 50ml		
123.	Measuring cylinder Brush large		
124.	Meter Rules Nichrome Wires (SWG 22, 24, and 26)		
125.	Micro grinding Mill hammer cutter micro mill with sample size 10-100 grams (Product Code: 5200) SPEX. OR Equivalent		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

S. #	Name of Items	Make	Unit Rate
126.	Micropipette (0.5 – 10 micro liter volume) adjustable OR Equivalent.		
127.	Micropipette (2 – 20 micro liter volume) adjustable OR Equivalent.		
128.	Micropipette (20 – 200 micro liter volume) adjustable OR Equivalent.		
129.	Microscope Slides		
130.	Microtome Blades		
131.	Optical Pins		
132.	Pair of tongs		
133.	Paraplast		
134.	Pendulum Bobs		
135.	Permanent Slides: Histology of Glands: <ol style="list-style-type: none"> 1. Thyroid gland 2. Para thyroid gland 3. Adrenal gland 4. Pancreas 5. Ovaries 6. Testes 7. Pineal gland 8. Thymus gland 9. Pituitary gland 		
136.	Pestle motor 160mm OR Equivalent.		
137.	Petri dish size 2", 3", 4", 5", 6"		
138.	Pipe (Rubber)		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
139.	Pipette Automated 1 μ l-10 μ l Gilson OR Equivalent.		
140.	Pipette Automated 10 μ l-100 μ l Gilson OR Equivalent.		
141.	Pipette Automated 100 μ l-1000 μ l Gilson OR Equivalent.		
142.	Pipette filler 41 fish brand red OR Equivalent.		
143.	Pipette Graduate Glass /Plastic 5ml		
144.	Pipette Graduate Glass /Plastic 10ml		
145.	Pipette Graduated Glass /Plastic 1ml		
146.	Pipette Graduated Glass /Plastic 2ml		
147.	Pipettes 0.1ml Glass		
148.	Pipettes 0.5ml Glass		
149.	Plane Mirrors		
150.	Plastic dispensing bottle		
151.	Plasticine (2 Bars)		
152.	Polythine Bags (Large Size)		
153.	Pre coated plates silica gel (60) Layer Thickness 0.25mm, 20x20Cm (Merck)		
154.	Prisms (60 x 60 degrees – Equilateral and Right Angled)		
155.	Rack for Specimen Tubes		
156.	Reagent bottle 1000ml		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

S. #	Name of Items	Make	Unit Rate
157.	Reagent bottle 250ml		
158.	Reagent bottle 500ml		
159.	Reagent Bottles 100ml		
160.	Reagent Botiles 200ml		
161.	Receiver Adopter RA2 /22		
162.	Receiver Adopter RA2 /23		
163.	Reference electrode Ag/AgCl		
164.	Reflex Hammer		
165.	Retort Stands and Clamps		
166.	Round Bottom Bottles 250ml		
167.	Round Bottom Bottles 500ml		
168.	Round bottom Flask Q/F 24/29 100ml		
169.	Round bottom Flask Q/F 24/29 500ml		
170.	Round bottom Flask Q/F 24/29 250ml		
171.	Round bottom Flask Q/F 24/29 25ml		
172.	Round bottom Flask Q/F 24/29 50ml		
173.	Sparing funnel 250ml		
174.	Scalpers No.10,20		
175.	Seizers 6", 4"		
176.	Separating Column		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
177.	Separating Funnel 250ml		
178.	Separating Funnel 500ml		
179.	Silicone Fluids Viscosity Standard cp 100–100000 cp.		
180.	Skin Fold Caliper		
181.	Slide box (Empty) wooden/ plastic Cap:25slides		
182.	Slide Brush		
183.	Slide holders		
184.	Slide Needles		
185.	Slide standing jars		
186.	Slide Warmer		
187.	Slot Masses (5g, 10g, 20g, 100g, and 200g)		
188.	Sohxillet Apparatus 250ml Round Bottom		
189.	Spatula large and medium size		
190.	Specific gravity bottle 50ml		
191.	Specimen Tubes with cap 20ml		
192.	Spiral Spring (Nuffield Type)		
193.	Spray Bottles		
194.	Sprit Lamp		
195.	Stalagmometer		

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Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
196.	Starling's Heart Lever		
197.	Stethograph		
198.	Still Head Shu/22		
199.	Stretching Boards ¹		
200.	Stubs Blotting Paper		
201.	Suction Pump (Metallic)		
202.	Surgical tools		
203.	Test tube 10x75mm		
204.	Test tube 16x150mm		
205.	Test Tube Rack Plastic and Steel		
206.	Test tube stand (12, 36, 48 tube/hole) Iron and Plastic		
207.	Test tube washing brush		
208.	Test tube holder		
209.	Thermometer Pocket SH4/A		
210.	Thermometers 360°C and 1000°C		
211.	Thin Layer Chromatography Tanks with lid (Ascending)		
212.	Thin Layer Chromatography Tanks with lid (Descending)		
213.	Triport Stand Small		
214.	Triport Stand Large		

Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. #	Name of Items	Make	Unit Rate
215.	Viol with cap 2" glass with white / yellow cap		
216.	Volumetric flask 1000ml		
217.	Volumetric Flask 100ml		
218.	Volumetric Flask 10ml		
219.	Volumetric Flask 250ml		
220.	Volumetric Flask 25ml		
221.	Volumetric Flask 500ml		
222.	Volumetric Flask 5ml		
223.	Washing Bottles Plastic Transparent 100ml		
224.	Watch glass 3x3		
225.	Wide mouth bottle 500ml		
226.	Wire gauge 6x6 Pak		
227.	Wire Loops		

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Tender document for Purchase of Chemicals, Glassware etc for the year 2015-2016.

S. No.	Name of Items	Maximum Test	Unit Price	Make
1.	Glucose estimation kit			
2.	Total cholesterol estimation kit			
3.	HDL cholesterol estimation kit			
4.	Serum Albumin estimation kit			
5.	Total protein estimation kit			
6.	LDL cholesterol estimation kit			
7.	SGPT estimation kit			
8.	SGOT estimation kit			
9.	ALT estimation kit ¹			
10.	Urea estimation kit			
11.	Uric Acid estimation kit			
12.	Creatinine estimation kit			
13.	Insulin (ELISA) estimation kit			

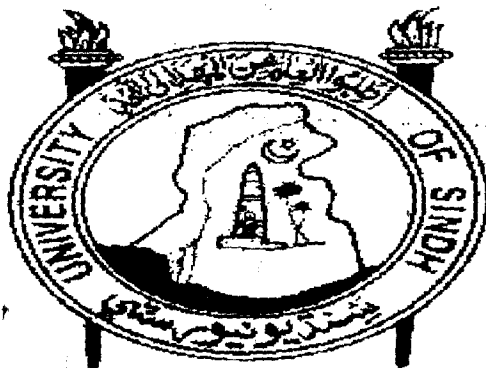
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Note: All bidders should quote the original Chemicals (RDH/BDH/Merck/Sigma/Fisher/Scharlau), Glassware (Borosilicate Boomax China / Pyrex Germany).

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C: Tender document for Purchase of Computers and their Accessories etc for the year 2015-2016.

1	Desktop Computer:		
S. No.	Name of Items	Unit Rate	Make
1.1	HP Branded Desktop computer: Core i7, 64Bit, 3.4GHz, Ram: DDR3, 8GB, Hard Disk: 1 Tbyte SSHD/HDD Sata 6Gb/s, Display: 20 Inch Full HD LED OR any other brand with Equivalent Specification.		
1.2	Apple Brand Mac Pro 2.8GHz Quad Core Intel Xwon (Hehalem) Part No: MC560ZA/A, Processor: 2.8GHz Quad-Core Intel Xeon (Nehalem) 8MB fully shared L3 Cashe, Display: HD 30Inch, Memory 3GB (three 1GB Dimms) 1066 MHz DDR3 DCC SDRAM, Hard Drive: ITB Serial ATA (3Gb/s) 72000 RPM. OR any other brand with Equivalent Specification.		
1.3	Four point probes apparatus 4200-SCS Parameter Analyzer: Integrate Intel Core 2DU Processor 2GB Ram 500GB HDD 1024x768 LCD 9 USB slot Ethernet GBIB External Monitor more than 200W of measurement power OR any other brand with Equivalent Specification).		
2	Description Laptop Computer		
S. No.	Name of Items	Unit Rate	Make
2.1	Laptop Branded Hp/Dell: Processor: Intel Core i7-3712QM-(2.0GHz turbo upto 3.0Ghz) Display: 15.6" High-Definition LED Bright View Display Screen resolution: 1366 x 768 MemORy:6GB DDR3,Hard drive:640Gb, Graphic Card: Intel® HD Graphics 3000, Optical Drive: Super Multi DVD±R/RW, Communication: 802.11bgn WLAN, Bluetooth, Multi Card Reader, Web Camera & HDMI, Microphone. OR any other brand with equivalent specification).		
3	Multimedia Projector. (Sony/ Panasonic / Hitachi / Epson / Optima	Unit Rate	Make
S. No.	Name of Items	Unit Rate	Make
3.1	Epson Multimedia Projector: LCD Projector. Output: 2700 lumens W/L. 10,000:1 Contrast Ratio with WiFi, Smart Phone, Multi PG conductivity, 3 in 1 USB Display. OR any other brand with equivalent specification.		
3.2	Epson Multimedia Projector: LCD Projector. Output: 3500 lumens W/L. with WiFi, Smart Phone, Multi PG conductivity, 3 in 1 USB Display. OR any other brand with equivalent specification.		

Note: All the device and drivers must be configured properly +device and drivers CDs should also be provide.

Tender document Computer and their Accessories etc for the year 2015-2016.

4	Digital Camera:		
S. No.	Name of Items	Unit Rate	Make
4.1	Sony Digital Camera: DSC-HX400V 20.4 Mega Pixel Optical Zoom 50x with 16 GB Memory Card. OR any other brand with equivalent specification.		
4.2	Sony Digital Camera: Bundle Alpha SLT-A99V 24.3 MP Full-Frame SLR with 3-Inch LED Body only (Black) Bundle with 32GB High Speed Card (Qty 2) Spare Batteries (Qty2) Full Sized Tripod, Deluxe Padded Case. OR any other brand with equivalent specification.		
4.3	Nikon Digital Camera: Mega Pixel:16.0 MP. Movie: 1080p Full HD. Optical Zoom:34x NIKKOR ED glass lens. Sensor: CMOS. Storage: SD Card/SDHC Card/SDXC Card. AF System: 9 Point AF System. LCD:3.0 Inch. Battery: AA (1000 shots) / EN-MH2 (680 shots) OR any other brand with equivalent specification.		
4.4	Canon Digital Camera: Still Image: 12.2MP, Movie: 720p HD, Lens Mount: EF 7 EF-S Lenses, Sensor: Comos, Image Processor: Digic 4, Storage: SD/SDHC/SDXC, AF System: 9 Point AF System, LCD: 2.7" 230k dots, Battery: Li-ion Battery LP-E10 (700 shots). OR any other brand with equivalent specification.		
5	Printer:		
S. No	Name of Items	Unit Rate	Make
5.1	HP Model #1320 with cable and validation card OR Equivalent Specification.		
5.2	HP Model #400Pro DW with cable and validation card OR Equivalent Specification.		
5.3	HP Model # P3015 with cable and validation card OR Equivalent Specification.		
5.4	HP Model # Pro 400M OR 401DN with cable and validation card OR Equivalent Specification.		
5.5	HP Model # P2035 with cable and validation card OR Equivalent Specification.		
5.6	HP Model # 2035n with cable and validation card OR Equivalent Specification.		
5.7	HP Model # MFP M277dw HP Color LaserJet Pro (Print, Scan, Copy & Scan) with cable and validation card OR any other brand with equivalent specification.		
5.8	HP Model # MFP M477fn HP Color LaserJet Pro (Print, Scan, Copy & Scan) with cable and validation card OR any other brand with equivalent specification.		

Note: All the device and drivers must be configured properly +device and drivers CDs should also be provide.

Tender document Computer and their Accessories etc for the year 2015-2016.

S. No.	Name of Items	Unit Rate	Make
5.9	HP Model # MFP M177fw HP Color Laser Jet (Print, copy, scan, fax) with cable and validation card OR any other brand with equivalent specification.		
5.10	CCT Camera: CCTV, Intruder Alarm & Access Control Systems, Walkthrough Gates & X Ray Scanners. Anti-Shop Lifting, Electronic Article Surveillance. (PROLINE UK) OR any other brand with equivalent specification.		
6	Description (Toner / Cartridge)		
S. No.	Name of Items	Unit Rate	Make
6.1	Cartridge (All Color+Black) 2605		
6.2	Cartridge (All Color+Black) CP1215		
6.3	Cartridge Toner D2850A		
6.4	Toner Cartridge HP-1320		
6.5	Toner Cartridge HP-2035		
6.6	Toner for Hp Laser jet 1102		
6.7	Toner for Hp laser jet 1212 MFP		
6.8	Toner for Laser printer P2015		
6.9	Toner for Printer Laser Jet 3030		
7	Photo Copier Machine:		
S. No.	Name of Items	Unit Rate	Make
7.1	Toshiba Model e-Studio 2006 20ppm, with GDI Printer. OR Equivalent Specification.		
7.2	Toshiba Model e-Studio 2303A 23ppm, with GDI Printer. OR Equivalent Specification.		
8	SCANNER:		
S. No.	Name of Items	Unit Rate	Make
8.1	HP Scanner: The Optic Slim (800x600dpi) 2600 is capable of scanning A4-size document at optical resolution 1200 dpi. OR any other brand with equivalent specification.		

Note: All the device and drivers must be configured properly +device and drivers CDs should also be provide.

Tender document Computer and their Accessories etc for the year 2015-2016.

S. No.	Name of Items	Unit Rate	Make
8.2	HP Scanner: 4800 x 9600dpi resolution, 4customizable buttons, Auto area segmentation, Extended language support in searchable PDF, Ready Scan LED Technology OR any other brand with equivalent specification.		
9	Fax Machine Panasonic KX-MB2025 (Fax / Print / Copy / Scan / ADF) OR Equivalent.		
10	Air conditioner Dawalance / L.G / Haier / Gree OR Equivalent.		
S. No.	Name of Items	Unit Rate	Make
10.1	1 Ton Split / Window with Installation		
10.2	1.5 Ton Split / Window with Installation		
10.3	2 Ton Split / Window with Installation		
11	UPS Intek / Green Power OR Equivalent.		
S. No.	Name of Items	Unit Rate	Make
11.1	650VA		
11.2	1KVA		
11.3	2KVA		
11.4	3KVA		
11.5	4KVA		
11.6	5KVA		
12	Data Traveler USB Kingston OR Equivalent.		
S. No.	Name of Items	Unit Rate	Make
12.1	4GB		
12.2	8GB		
12.3	16GB		
12.4	32GB		

Note: All the device and drivers must be configured properly +device and drivers CDs should also be provide.

13	Computer / Electronic Accessories etc.		
S. No.	Name of Items	Unit Rate	Make
13.1	WiFi router (TPLink 3 Areal)		
13.2	Wireless Sensor network trainer		
13.3	Wireless water sensor trainer		
13.4	USB extension cables		
13.5	TP-Link TL-WDR4900 N900 Wireless Dual Brand Gigabit Router OR Equivalent		
13.6	DDR-I Ram 1 GB Kingston OR Equivalent		
13.7	DDR-I Ram 2GB Kingston OR Equivalent		
13.8	DDR-II Ram 1 GB Kingston OR Equivalent		
13.9	DDR-II Ram 2 GB Kingston OR Equivalent		
13.10	DDR-III Ram 2 GB Kingston OR Equivalent		
13.11	DDR-III Ram 4 GB Kingston OR Equivalent		
13.12	Power Cable for Computer 3meter		
13.13	Power Supply 250watt, 300watts for pc.		
13.14	Power Surge Strips three pin multi hole 4 meter length		
13.15	Multimedia Screen Size 4'x4' Imported		
13.16	Multimedia Screen Size 6'x6' Imported		
13.17	Multimedia Screen with Triport Size 4'x4' Imported		
13.18	Multimedia Screen with Triport Size 6'x6' Imported		
13.19	Multimedia Screen Size 8'x8' Imported		

Note: All the device and drivers must be configured properly +device and drivers CDs should also be provide.

Tender document Computer and their Accessories etc for the year 2015-2016.

S. No.	Name of Items	Unit Rate	Make
13.20	Multimedia Screen with Triport Size 8'x8' Imported		
13.21	Power Supply 220watt for pc.		
13.22	Power Surge Strips three pin multi hole 4 meter length		
13.23	Power Cable for Computer 3meter		
13.24	Microwave Oven Dawalance / Haier		
13.25	Hard Disk Drive SSHD/HDD SATA 200GB, 300GB, 500GB		
13.26	Key Board Focus Keys/ Multimedia		
13.27	Mouse,A4Tech		
13.28	Mouse Optical Fiber / PS2		
13.29	Logitech Media Keyboard		
13.30	Logitech Mouse		
13.31	Refrigerator 10cuft, 12cuft, Dawlance / Haier / Orient OR Equivalent		
13.32	Dispenser Water Cooler with refrigerator TLC / Orient / PEL		
13.33	Universal Stabilizer: Servo motor (Copper wire) for A.C and Refrigerator OR Equivalent		
13.34	LCD / LED 30" 40" 46" (T.V) Samsung / Sony / Orient OR Equivalent.		
13.35	LCD / LED 17" / 18.5" / 19.5" OR Equivalent.		

**Professor Incharge,
Central Scientific Store.
University of Sindh, Jamshoro.**

I abide myself of the above terms and Condition

Name of Firm & Signature with Stamp

Note: All the device and drivers must be configured properly +device and drivers CDs should also be provide.