

**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
PROCUREMENT CELL**

BY REGISTERED A.D./COURIER SERVICE.

CONTRACT SCHEDULE



1. Contract No: PC(FED)/NED/Equip/F.Biochem Lab/02/8172/2022 Dated: 2
2. Name & Address of Contractor: **M/s. Mughal Traders, Karachi** / 1478
3. Contractor's Tender No.: 8172/2022 Date 01-11-2022
4. Indenter's Name & Address: Chairman, Food Engineering Department
5. Indenter's Indent No & Date:
6. Particulars of stores: As below.

BOQ Item No.	Tender Item Code	Description of Store	Acct. Unit	Price per A/U	Total Qty. Req.	Total Value																								
2	FMC-02	<p>UV/VIS Spectrometer Model: C-7200 Double beam UV/Vis spectrophotometer covering 190-1100nm Bandwidth of 2nm Compact design Colour Touch screen display with easy to use software with USB ports must be provided as standard USB ports for method and result storage plus connection to a PC Optional PC control, built in thermal printer, and/or Bluetooth®</p> <p>Specification: Wavelength Range: 190-1100nm Detector: Dual Solid State Silicon photodiode Source: Xenon (PTR) Bandwidth: 2nm Wavelength Accuracy: ± 0.3nm Wavelength Reproducibility (+/-):0.1nm Spectral Scanning: Yes (up to 1100nm) Optical System: Czerny-Turner Monochromator Photometric Accuracy: +/-0.002 A at 0.5A, +/- 0.004 A at 1A +/-0.006 A at 2A Stray Light: <0.050% using NaI, NaNO2 at 220 and 340nm Stability: 0.001A/hr at 546nm & 700nm Measurement Type: Fixed Wavelength, Abs/%T, Abs ratio, Abs difference, concentration (standard curve), concentration (factor), multiwavelength, kinetics, Life Science Methods, user log-on, Equation editor Cell Compatibility: Cuvette, Microcell*, Variable Pathlength Cell* Method Storage: Up to 90 on-board, unlimited via USB Regulatory Compliance: 21 CFR part 11*, IQ/OQ* Data Output: Store, Print*, USB Drive*, Export to PC, PC Control* Display: Colour Touchscreen Export/ Data Storage: Internal Memory, USB Drive*, Bluetooth*, USB cable to PC Data Interface: Only USB Export to PC via USB cable MAKE: PEEK USA</p> <p>WARRANTY ONE YEAR</p>	No.	935,000.00	01	935,000.00																								
3	FMC-03	<p>VIS Spectrometer Model: 721</p> <p>Specification:</p> <table><tr><td>Optical System</td><td>Single Beam, Grating 1200 lines/mm</td></tr><tr><td>Wavelength Range</td><td>340-1020 nm</td></tr><tr><td>Spectral Bandwidth</td><td>6 nm</td></tr><tr><td>Wavelength Accuracy</td><td>±3 nm</td></tr><tr><td>Wavelength Repeatability</td><td>1nm</td></tr><tr><td>Photometric Accuracy</td><td>±1%T</td></tr><tr><td>Photometric Repeatability</td><td>0.5%T</td></tr><tr><td>Photometric Range</td><td>0-200%T, -0.3A~3A</td></tr><tr><td>Stray light</td><td>0.5%T</td></tr><tr><td>Stability</td><td>0.004 A</td></tr><tr><td>Baseline Flatness</td><td>±0.002A</td></tr><tr><td>Noise</td><td>±0.001 A</td></tr></table>	Optical System	Single Beam, Grating 1200 lines/mm	Wavelength Range	340-1020 nm	Spectral Bandwidth	6 nm	Wavelength Accuracy	±3 nm	Wavelength Repeatability	1nm	Photometric Accuracy	±1%T	Photometric Repeatability	0.5%T	Photometric Range	0-200%T, -0.3A~3A	Stray light	0.5%T	Stability	0.004 A	Baseline Flatness	±0.002A	Noise	±0.001 A	No.	325,000.00	01	325,000.00
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		<p>Wavelength Setting . Auto</p> <p>Work Mode T, A, C</p> <p>Light Source Tungsten lamp</p> <p>Display 4 LCD</p> <p>Detector Silicon Photodiode</p> <p>Output RS-232 port</p> <p>Power AC 220V/50Hz or AC 110V/60Hz</p> <p>Dimension 420*350*200mm</p> <p>Net Weight 8kg</p> <p>Shipping Size 520*450*320mm</p> <p>Gross Weight 10kg</p> <p>MAKE: BIOBASE warranty one year</p>				
5	FMC-05	<p>Waring blender</p> <ul style="list-style-type: none"> Capacity: 1 Liter/1.2 Liter Switch Settings: Variable Speed for mixing, stirring, blending, or homogenizing Base: Epoxy Coated Motor Housing Container: Stainless steel with handle and two piece vinyl and styrene lid LB10S. Heat resistant glass with handle and two piece vinyl and styrene lid LB10G. Capacity: 1 Liter/1.2 Liter Switch Settings: Two Speed, 60 Second Mechanical Timer Base: Epoxy Coated Motor Housing Container: Stainless steel with handle and two piece vinyl and styrene lid 7010S. Heat resistant glass with handle and two piece vinyl and styrene lid 7010G. Overall Height: 15 inches/16 inches Weight: 11 lbs./13 lbs./13lbs. Listing: UL <p>MAKE Waring U.S.A WARRANTY ONE YEAR</p>	No.	295,000.00	01	295,000.00
6	FMC-06	<p>Evaporator Composition</p> <p>Model: RE100S</p> <p><u>Evaporation System>Thermostatic baths and circulators</u></p> <p><u>>Low Temperature Circulator></u></p> <p>5L heating bath with a wide temperature range (room temp.to180°C), independent temperature control,make it can be used separately.</p> <p>Water/oil heating mode can be changed only through a switch.</p> <ul style="list-style-type: none"> Manual lift combined with auxiliary lift for precise positioning of the glassware. PID control ensures high temperature accuracy at ±1°C (water). Overheating protection temperature at 220°C Boil-dry protection, automatically power off if heating without water/oil in the heating bath. Speed range from 20 to 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process. Patented condenser (cooling surface 1200/1700cm² for selection), double helix condensing tube +center circular arc design to speed up the flow rate of liquid with excellent cooling effect. Ejection mechanism ensures easy exchange of evaporating flask Adjustable immersion angle Patented double spring sealing ring which is made of PTFE provides an excellent sealing performance Remote function provides PC control and data transmission. Compatible with the entire range of RE100-Pro glassware. <p>ONILAB.USA WARRANTY ONE YEAR</p>	No.	485,000.00	01	485,000.00

7	FMC-07	Refrigerated Water baths Model: FC-506 <p>FC series of refrigerated thermostatic bath has adopted the latest international. Advanced CFC-free refrigeration system. The main components used are imported and the performance is stable and reliable. It is widely used in research institutes, Universities corporate quality control departments and industrial sectors relating.</p> <p>To petroleum, chemical engineering, electronic instruments, physics, chemistry, Bio-engineering, medicine and health, life science, light industry and food, materials, Testing and chemical analysis etc. It is used to put trial samples or newly-made. Products to a constant-temperature test. It can also be used as a heat source or cold source for a direct heating or cooling and auxiliary heating or cooling.</p> <p>Reservoir Capacity 6 liters Cooling Capacity @ + 20°C 200 Watts 0°C 140 Watts - 10°C 100 Watts Over-Temperature Cutoff Adjustable Low-Liquid Cutoff Yes MAKE FAITHFUL WARRANTY ONE YEAR LEAFLET ATTACHED</p>	No.	548,000.00	01	548,000.00
9	FMC-09	Turbidity Meter Model: TUB-430 <p>Microprocessor based for fast and accurate measurements. ISO 7027 measurement method. Large LCD 45 x 25 mm display for reading convenient. Unit NTU, FTU, EBC are changeable. Memory function stores and recalls up to 150 points. Low battery alarm and auto shut off after 10 minutes of non use. Range: 0 - 0 ~ 19.99 NTU 20.0 ~ 199.9 NTU 200 ~ 1000 NTU 0.01/0.1/1 NTU 3% reading + 1 digit at < 500 NTU ± 5% reading + 1 digit at > 500 NTU Principle of Operation: Nephelometric Ratio (Color Correction): Full Time ON or OFF Accuracy: ± 2% of reading plus 0.01 NTU (Response Time: less than 6 seconds Sample Size: 30 ml Light Source: Quick connect Infrared Operating Temperature: 0° - 50°C Air Purge: Connection for external dry air supply Outputs: RS-232 Serial Port MAKE TAIWAN WARRANTY ONE YEAR LEAFLET ATTACHED</p>	No.	185,000.00	01	185,000.00

10	FMC-10	AW analyzer Model: H12040 EDGE® MULTIPARAMETER METER (DO KIT) Hanna Instruments is proud to introduce the world's most innovative pH, EC, and DO meter... edge™. edge is thin and lightweight, measuring just 1/2" thick and weighing less than 9 ounces. edge has an incredibly wide viewing angle, 5.5" LCD and a sensitive capacitive touch keypad. edge features Hanna's exclusive CAL-CHECK® to warn you if the pH electrode you are using is not clean or if your buffers are contaminated during calibration. Indicators are also displayed for response time and probe condition that is based on the offset and slope of the electrode. We have also added to SENSOR-CHECK for sensors with matching pin: now it warns you if the pH bulb is cracked or if the junction of the electrode is the culmination of Hanna's vision, design capabilities, integrated production facilities, and world class R&D teams. With edge, Hanna has set the new standard! Features: Thin, Lightweight Design Multiparameter (ability to measure pH, EC or DO) pH Electrode Monitoring Technology (Sensor Check and Cal Check) Multiple Calibration Points Built-in Temperature Sensor on all Electrodes Log on Demand Large, easy to read LCD Capacitive Touch Dual USB ports GLP feature Rechargeable Battery MAKE HANNA WARRANTY ONE YEAR	No.	325,000.00	01	325,000.00
12	FMC-12	Shake Incubator Model: IN-SK100 Working room size: 100L Temp.range: RT+5-65°C Temp.fluctuation: ±0.5°C Vibration frequency(single layer) Vibration frequency(double Load double layer) Load: 3kg Amplitude of vibration: 20mm Comecta Cod 5312096 (Need clamp holders only for this particular model) Clamp holders for 100 ml conicals 250 ml conicals 500 ml conicals Make BIOBASE WARRANTY ONE YEAR	Each	365,000.00	01	365,000.00

	FMC-15 (2)	Lead acetate (CAS Number 6080-56-4) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Kg	6,900.00	1	6,900.00
	FMC-15 (3)	Ferric chloride (CAS Number: 7705-08-0) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Kg	3,900.00	1	3,900.00
	FMC-15 (4)	Ferrous sulphate (CAS Number 7782-63-0) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Kg	4,500.00	1	4,500.00
	FMC-15 (12)	Alpha naphthol (CAS Number: 90-15-3) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	49.00	100	4,900.00
	FMC-15 (16)	Magnesium sulfate (CAS Number 7487-88-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	7.00	500	3,500.00
	FMC-15 (19)	Potassium sodium tartrate tetrahydrate (CAS Number 6381-59-5) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	9.60	500	4,800.00
	FMC-15 (20)	Fehling reagent I (CAS Number 7758-98-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	L	4,500.00	1	4,500.00
	FMC-15 (23)	Potassium Permanganate (CAS Number 7722-64-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	11.60	500	5,800.00
	FMC-15 (26)	Potassium Dichromate (CAS Number 7778-50-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	11.80	500	5,900.00
	FMC-15 (28)	Nickel Sulfate (CAS Number 7786-81-4) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	58.00	50	2,900.00
	FMC-15 (29)	Hydrogen peroxide solution (CAS Number 722-84-1) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco	ML	5.80	500	2,900.00
	FMC-15 (30)	Trypsin EnzymeMERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	1,040.00	25	26,000.00
	FMC-15 (31)	Diastase enzymeMERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	560.00	25	14,000.00
	FMC-15 (38)	Amylase MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	460.00	25	11,500.00
	FMC-15 (40)	Pepsin MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	G	420.00	25	10,500.00
	FMC-15 (41-A)	Centrifuge tubes (20ml, 50ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	48.00	24	1,152.00
	FMC-15 (41-B)		Nos.	65.00	24	1,560.00
	FMC-15 (42-A)	Falcon tubes (50ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	45.00	24	1,080.00
	FMC-15 (42-B)	Falcon tubes (100ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	62.00	24	1,488.00
	FMC-15 (43)	Homogenizing flask (250 ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	625.00	24	15,000.00
	FMC-15 (44)	Glass Beakers (100 ml, 250 ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	265.00	24	6,360.00
	FMC-15 (48)	Spatula (SS) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	325.00	24	7,800.00
	FMC-15 (52-A)	Amber Glass bottles (100 ml,) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	410.00	24	9,840.00

	FMC-15 (52-B)	Amber Glass bottles (250 ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	550.00	24	13,200.00
	FMC-15 (59-B)	Pyrex bottle for media (250ml) BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	435.00	24	10,440.00
	FMC-15 (60)	Autoclave Tape BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	1,300.00	24	31,200.00
	FMC-15 (61)	Inoculum wire BOROSIL/Spark/MSS/MBL/Pyrex	Nos.	450.00	24	10,800.00
	FMC-15 (64)	Vernier caliper (Digital) BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	3,500.00	5	17,500.00
	FMC-15 (65)	Screw gauge (Digital) BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	17,500.00	5	87,500.00
	FMC-15 (66)	GSM cutter BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	35,000.00	1	35,000.00
	FMC-15 (67-A)	RD bottle (25 mL-50 pieces, 50 mL-50 pieces) BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	Nos.	292.50	100	29,250.00
	FMC-15 (67-B)		Nos.	292.50	100	29,250.00
	FMC-15 (68)	Hand sealer BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	16,000.00	1	16,000.00
Total (inclusive all federal and provincial taxes and duties)			.....	.....	.....	3,899,920.00

INSTRUCTIONS:

- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- Bill should be submitted with covering letter in Asst. Dir. Procurement-II Office along with Invoice, GST Invoice, Delivery Challan (duplicate), Contract Agreement on Stamp Paper with Stamp Duty & Valid Professional Tax Certificate (photocopy) required for payment
- Inspection Certificate may be issued by Indenting Department.

GRAND TOTAL (Value in Words) Three Million Eight Hundred Ninety Nine Thousand and Nine Hundred Twenty Only

7. Date of Delivery: On or before 120 Days; (if goods not delivered within stipulated time; please immediately intimate to the procurement cell).
8. Place of Delivery: NED University Campus/Consignee.
9. Name & Address of Consignee: Food Engineering Department
10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.
11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.
12. Dispatch Instruction.
13. Inspecting Officer.
14. Place at which to be inspected.
15. Payment.

Stores should be delivered at firm's premises/free to the consignee at NED University of Engineering and Technology.

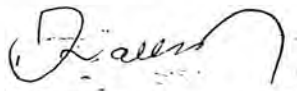
The consignee/ Indenting officer or his authorized representative.
At firms premises/ Consignee's end.

- i. 100% payment to be made on the proof of inspection and Consignee's receipt certificate during year 2021-2022.
- ii. ___% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2022 - 2023.
- iii. If the supply is not according to the specifications or unsatisfactory, the contract will be rejected and cancelled at the risk and cost of firm.
- iv. If the firm fails to execute the contract/supply order as per condition action will be taken against them which may be their black listing and E.M.S.D. will be forfeited.
- v. In Case of late delivery L.D. charges @ 0.1% per day will be imposed. Part payment against part supply is/ not allowed.
- vi. Valid Professional Tax Certificate is required for payment.

NOTE

1. The firms may send the Inspection call with-in delivery period under intimation to the Assistant Director Procurement in writing.
2. The Bill in duplicate along with Inspection certificates on form F/QSP 09/10/00 may be sent to the P.O for payment.

- Copy to
1. Resident Auditor
 2. Indenting Officer
 3. Manager Central Store
 4. Master File
 5. Case File


Assistant Director Procurement-II
For & on behalf of Vice Chancellor
NED University of Engg. Tech.

The cost is debitable to Head of Account as mentioned in the Sanction order (office order). This issues with the sanction and approval of the Competent Authority of this University.



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

PROCUREMENT CELL

BY REGISTERED A.D./COURIER SERVICE.

CONTRACT SCHEDULE



1. Contract No: PC(FED)/NED/Equip/F.Biochem Lab/02/8172/2022 Dated: 1481 22/12/22
2. Name & Address of Contractor: **M/s. Briogene(Pvt.) Ltd., Karachi**
3. Contractor's Tender No.: 8172/2022 Date 01-11-2022
4. Indenter's Name & Address: Chairman, Food Engineering Department
5. Indenter's Indent No & Date: _____
6. Particulars of stores: **As below.**


BOQ Item No.	Tender Item Code	Description of Store	Acct. Unit	Price per A/U	Total Qty. Req.	Total Value
1	FMC-15.62	Silica Gel with indicator (orange gel), Granulate ~ 1 – 3 mm Cat #1019691000 500G pack	No.	30,000.00	24	30,000.00
Total (inclusive all federal and provincial taxes and duties)			.....	.....	.....	30,000.00

INSTRUCTIONS:

- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- Bill should be submitted with covering letter in Asst. Dir. Procurement-II Office along with Invoice, GST Invoice, Delivery Challan (duplicate), Contract Agreement on Stamp Paper with Stamp Duty required for payment.
- Inspection Certificate may be issued by Indenting Department.

GRAND TOTAL (Value in Words) Thirty Thousand Only

7. Date of Delivery: On or before 90 Days; (if goods not delivered within stipulated time; please immediately intimate to the procurement cell).
8. Place of Delivery: NED University Campus/Consignee.
9. Name & Address of Consignee: Food Engineering Department


 23rd Dec, 2022

10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.
11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.

12. Dispatch Instruction.

Stores should be delivered at firm's premises/tree to the consignee at NED University of Engineering and Technology.

13. Inspecting Officer.

The consignee/ Indenting officer or his authorized representative.

At firms premises/ Consignee's end.

14. Place at which to be inspected.

i. 100% payment to be made on the proof of inspection and Consignee's receipt certificate during year 2022-2023.

15. Payment.

ii. ___% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2022 - 2023.

iii. If the supply is not according to the specifications or unsatisfactory, the contract will be rejected and cancelled at the risk and cost of firm.

iv. If the firm fails to execute the contract/supply order as per condition action will be taken against them which may be their black listing and E.M.S.D. will be forfeited.

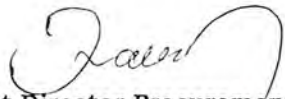
v. In Case of late delivery L.D. charges @ 0.1% per day will be imposed. Part payment against part supply is/ not allowed.

NOTE

1. The firms may send the Inspection call with-in delivery period under intimation to the Assistant Director Procurement in writing.
2. The Bill in duplicate along with Inspection certificates on form F/QSP 09/10/00 may be sent to the P.O for payment.

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NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

PROCUREMENT CELL

BY REGISTERED A.D./COURIER SERVICE.

CONTRACT SCHEDULE



1. Contract No: PC(FED)/NED/Equip/F.Biochem Lab/02/8172/2022/ Dated: 22/12/2022
2. Name & Address of Contractor: **M/s. Lab Care, Karachi**
3. Contractor's Tender No.: 8172/2022 Date 01-11-2022
4. Indenter's Name & Address: Chairman, Food Engineering Department
5. Indenter's Indent No & Date:
6. Particulars of stores: **As below.**

BOQ Item No.	Tender Item Code	Description of Store	Acct. Unit	Price per A/U	Total Qty. Req.	Total Value
1	FMC-11	Forced air drying oven	No.	264,420.00	01	264,420.00
2	FMC-14	Hot plate with magnetic stirrer	No.	70,200.00	01	70,200.00
3	FMC-15.1	Solvent E 2.5 Liter	Lt.	2,574.00	2.5	2,574.00
4	FMC-15.6	HTL 1 Liter	Lt.	1,755.00	01	1,755.00
5	FMC-15.7	Bromocresol Green 25gm	Gram	7,956.00	25	7,956.00
6	FMC-15.8	Ninhydrin 100g	Gram	18,720.00	100	18,720.00
7	FMC-15.9	Solvent AN 2.5Liter	Lt.	7,020.00	2.5	7,020.00
8	FMC-15.10	Sodium Hydroxide 1Kg	Kg.	3,510.00	01	3,510.00
9	FMC-15.11	Starch 1Kg	Kg	3,510.00	01	3,510.00
10	FMC-15.13	Solvent S 2.5 L	Lt.	4,095.00	2.5	4,095.00
11	FMC-15.14	Ammonium Chloride 500g	Gram	3,276.00	500	3,276.00
12	FMC-15.17	Methyl Red 25gm	Gram	2,106.00	25	2,106.00
13	FMC-15.18	Sodium Chloride	Gram	2,574.00	500	2,574.00
14	FMC-15.21	Potassium Hydrogen Pthalate 500G	Gram	9,360.00	500	9,360.00
15	FMC-15.22	Sucrose 1Kg	Kg	3,276.00	01	3,276.00

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16	FMC-15.24	Oxalic Acid 500gm	Gram	2,106.00	500	2,106.00
17	FMC-15.27	Sodium Bicarbonate 1Kg	Kg	3,510.00	01	3,510.00
18	FMC-15.32	Citric Acid 500 gmm	Gram	2,106.00	500	2,106.00
19	FMC-15.33	Dextrose 1 Kg	Kg	3,510.00	01	3,510.00
20	FMC-15.36	Gelatin	Gram	3,510.00	100	3,510.00
21	FMC-15.44a	Glass Beakers 100ml	No.	199.00	24	4,774.00
22	FMC-15.45	Pipettes 10ml	No.	289.00	24	6,936.00
23	FMC-15.46	Glass Petri Dishes 100x20mm	No.	304.00	24	7,301.00
24	FMC-15.47	Stirring rods	No.	65.00	24	1,544.00
25	FMC-15.49	Watch glass 100mm	No.	248.00	24	5,953.00
26	FMC-15.50a	Graduated cylinder 10 ml	No.	330.00	24	7,919.00
27	FMC-15.50b	Graduated Cylinder 25ml	No.	399.00	24	9,575.00
28	FMC-15.50c	Graduated Cylinder 50ml	No.	452.00	24	10,839.00
29	FMC-15.50d	Graduated Cylinder 100ml	No.	556.00	24	13,338.00
30	FMC-15.50e	Graduated Cylinder 250ml	No.	1,076.00	24	25,834.00
31	FMC-15.51	Crucible with Lid 100cc	No.	275.00	24	6,599.00
32	FMC-15.53	Separating funnel 100ml	No.	3,147.00	24	75,535.00
33	FMC-15.54	Burette stand	No.	3,042.00	24	73,008.00
34	FMC-15.55	Burette Clamp	No.	467.00	24	11,204.00
35	FMC-15.56	Litmus paper (Blue) Pack of 100	No.	328.00	01	328.00
36	FMC-15.57	Refractometer 0-32 Manual	No.	5,265.00	24	126,360.00

37	FMC-15.58	Durham tubes Pack of 100ml	No.	761.00	01	761.00
38	FMC-15.59a	Bottle for media 100ml	No.	358.00	24	8,592.00
39	FMC-15.63	Test Tube Stand	No.	761.00	24	18,252.00
Total (inclusive all federal and provincial taxes and duties)			.....	.....	.....	833,746

INSTRUCTIONS:

- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- Bill should be submitted with covering letter in Asst. Dir. Procurement-II Office along with Invoice, GST Invoice, Delivery Challan (duplicate), Contract Agreement on Stamp Paper with Stamp Duty & Valid Professional Tax Certificate (photocopy) required for payment
- Inspection Certificate may be issued by Indenting Department.

GRAND TOTAL (Value in Words) Eight Hundred Thirty Three Thousand Seven Hundred Forty Six Only

7. Date of Delivery: On or before 90 Days; (if goods not delivered within stipulated time; please immediately intimate to the procurement cell).
8. Place of Delivery: NED University Campus/Consignee.
9. Name & Address of Consignee: Food Engineering Department
10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.
11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.
12. Dispatch Instruction. Stores should be delivered at firm's premises/free to the consignee at NED University of Engineering and Technology.
13. Inspecting Officer. The consignee/ Indenting officer or his authorized representative.
At firms premises/ Consignee's end.
14. Place at which to be inspected.
 - i. 100% payment to be made on the proof of inspection and Consignee's receipt certificate during year 2021-2022.
15. Payment.
 - ii. ___% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2022 – 2023.
 - iii. If the supply is not according to the specifications or unsatisfactory, the contract will be rejected and cancelled at the risk and cost of firm.
 - iv. If the firm fails to execute the contract/supply order as per condition action will be taken against them which may be their black listing and E.M.S.D. will be forfeited.
 - v. In Case of late delivery L.D. charges @ 0.1% per day will be imposed. Part payment against part supply is/ not allowed.

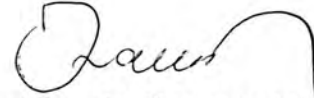
vi. Valid Professional Tax Certificate is required for payment.

NOTE

1. The firms may send the Inspection call with-in delivery period under intimation to the Assistant Director Procurement in writing.
2. The Bill in duplicate along with Inspection certificates on form F/QSP 09/10/00 may be sent to the P.O for payment.

Copy to

1. Resident Auditor
2. Indenting Officer
3. Manager Central Store
4. Master File
5. Case File



**Assistant Director Procurement-II
For & on behalf of Vice Chancellor
NED University of Engg. Tech.**

The cost is debitable to Head of Account as mentioned in the Sanction order (office order). This issues with the sanction and approval of the Competent Authority of this University.



NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

PROCUREMENT CELL

BY REGISTERED A.D./COURIER SERVICE.

CONTRACT SCHEDULE



1. Contract No: PC(FED)/NED/Equip/F.Biochem Lab/02/8172/2022 Dated: 22/11/22
2. Name & Address of Contractor: **M/s. Marium & Company, Karachi**
3. Contractor's Tender No.: 8172/2022 Date 01-11-2022
4. Indenter's Name & Address: Chairman, Food Engineering Department
5. Indenter's Indent No & Date: _____
6. Particulars of stores: **As below.**

BOQ Item No.	Tender Item Code	Description of Store	Acct. Unit	Price per A/U	Total Qty. Req.	Total Value
1	FMC-04	GC-Gas Chromatographs Gas Chromatography BCHR-109 Make: Bio Lab	No.	4,106,700.00	01	4,106,700.00
2	FMC-13	Stomacher Stomacher BSTO-102 Make: Bio Lab	No.	753,480.00	01	753,480.00
3	FMC-15.15	Ammonium Hydroxide solution (CAS Number 10543225000) Packing: 2.5 Liter (Total 25 G) Brand : Merck	Liter	3,803.00	01	3,803.00
4	FMC-15.37	Pectinase from Aspergillus Packing: 50 gm Brand : Sigma	G	30,888.00	25	30,888.00
Total (inclusive all federal and provincial taxes and duties)			.....	.....	.....	4,894,871.00

INSTRUCTIONS:

- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- Bill should be submitted with covering letter in Asst. Dir. Procurement-II Office along with Invoice, GST Invoice, Delivery Challan (duplicate), Contract Agreement on Stamp Paper with Stamp Duty required for payment.
- Inspection Certificate may be issued by Indenting Department.

GRAND TOTAL (Value in Words) Four Million Eight Hundred Ninety Four Thousand and Eight Hundred Seventy One Only

7. Date of Delivery: On or before 120 Days; (if goods not delivered within stipulated time; please immediately intimate to the procurement cell).
8. Place of Delivery: NED University Campus/Consignee.
9. Name & Address of Consignee: Food Engineering Department

Handwritten signature/initials

10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.

P.T.O.

11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.

12. Dispatch Instruction.

Stores should be delivered at firm's premises/free to the consignee at NED University of Engineering and Technology.

13. Inspecting Officer.

The consignee/ Indenting officer or his authorized representative.

At firms premises/ Consignee's end.

14. Place at which to be inspected.

i. 100% payment to be made on the proof of inspection and Consignee's receipt certificate during year 2022-2023.

15. Payment.

ii. ___% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2022 - 2023.

iii. If the supply is not according to the specifications or unsatisfactory, the contract will be rejected and cancelled at the risk and cost of firm.

iv. If the firm fails to execute the contract/supply order as per condition action will be taken against them which may be their black listing and E.M.S.D. will be forfeited.

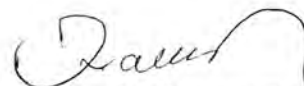
v. In Case of late delivery L.D. charges @ 0.1% per day will be imposed. Part payment against part supply is/ not allowed.

NOTE

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2. The Bill in duplicate along with Inspection certificates on form F/QSP 09/10/00 may be sent to the P.O for payment.

Copy to

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5. Case File



**Assistant Director Procurement-II
For & on behalf of Vice Chancellor
NED University of Engg. Tech.**

The cost is debitable to Head of Account as mentioned in the Sanction order (office order). This issues with the sanction and approval of the Competent Authority of this University.

M. ALI KHAN

[Signature]
28/12/2022

F/SOP/PC 01/11/00



**NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
PROCUREMENT CELL**

BY REGISTERED A.D./COURIER SERVICE.

CONTRACT SCHEDULE



1. Contract No: PC(FED)/NED/Equip/F.Biochem Lab/02/8172/2022 Dated: 22/12/22
2. Name & Address of Contractor: **M/s. Diagnostic Systems, Karachi**
3. Contractor's Tender No.: 8172/2022 Date 01-11-2022
4. Indenter's Name & Address: Chairman, Food Engineering Department
5. Indenter's Indent No & Date:
6. Particulars of stores: **As below.**

BOQ Item No.	Tender Item Code	Description of Store	Acct. Unit	Price per A/U	Total Qty. Req.	Total Value
1	FMC-08	Laboratory Oil Bath Oil Model: OB-01 Features: 1. LED Display 2. Automatic Protection for overheating 3. Material: Main body is steel plat with Baking garnish Internal is imported stainless steel Technical Specifications: Temperature Range: RT~300°C Temperature fluctuation: ≤1°C Temperature control precision: ≤1°C Heating power: 2000W Power Supply: 110V/220V±10%, 50/60Hz Workroom cubage (mm3): 280*280*300mm3 Package size (W*D*H) mm: 520*420*400 Gross Weight: 1456kg Make: Biobase- China	No	192,000.00	01	192,000.00
Total (inclusive all federal and provincial taxes and duties)			.....	.....	.....	192,000.00

INSTRUCTIONS:

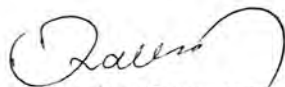
- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- Bill should be submitted with covering letter in Asst. Dir. Procurement-II Office along with Invoice, GST Invoice, Delivery Challan (duplicate), Contract Agreement on Stamp Paper with Stamp Duty & Valid Professional Tax Certificate (photocopy) required for payment
- Inspection Certificate may be issued by Indenting Department.

GRAND TOTAL (Value in Words) One Hundred Ninety Two Thousand Only

7. Date of Delivery: On or before 90 Days; (if goods not delivered within stipulated time; please immediately intimate to the procurement cell).
8. Place of Delivery: NED University Campus/Consignee.
9. Name & Address of Consignee: Food Engineering Department
10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.
11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.
12. Dispatch Instruction. Stores should be delivered at firm's premises/free to the consignee at NED University of Engineering and Technology.
13. Inspecting Officer. The consignee/ Indenting officer or his authorized representative.
At firms premises/ Consignee's end.
14. Place at which to be inspected.
 - i. 100% payment to be made on the proof of inspection and Consignee's receipt certificate during year 2021-2022.
15. Payment.
 - ii. ___% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2022 – 2023.
 - iii. If the supply is not according to the specifications or unsatisfactory, the contract will be rejected and cancelled at the risk and cost of firm.
 - iv. If the firm fails to execute the contract/supply order as per condition action will be taken against them which may be their black listing and E.M.S.D. will be forfeited.
 - v. In Case of late delivery L.D. charges @ 0.1% per day will be imposed. Part payment against part supply is/ not allowed.
 - vi. Valid Professional Tax Certificate is required for payment.

NOTE

1. The firms may send the Inspection call with-in delivery period under intimation to the Assistant Director Procurement in writing.
2. The Bill in duplicate along with Inspection certificates on form F/QSP 09/10/00 may be sent to the P.O for payment.


Assistant Director Procurement-II
For & on behalf of Vice Chancellor
NED University of Engg. Tech.

The cost is debitable to Head of Account as mentioned in the Sanction order (office order). This issues with the sanction and approval of the Competent Authority of this University.

Copy to

1. Resident Auditor
2. Indenting Officer
3. Manager Central Store
4. Master File
5. Case File



F/SOP/PC 01/11/00

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY

PROCUREMENT CELL

BY REGISTERED A.D./COURIER SERVICE.

CONTRACT SCHEDULE



- Contract No: PC(FED)/NED/Equip/F.Biochem Lab/02/8172/2022 Dated: 14/8/22
- Name & Address of Contractor: **M/s. Nordtec International, Karachi**
- Contractor's Tender No.: 8172/2022 Date 01-11-2022
- Indenter's Name & Address: Chairman, Food Engineering Department
- Indenter's Indent No & Date:
- Particulars of stores: **As below.**

BOQ Item No.	Tender Item Code	Description of Store	Acct. Unit	Price per A/U	Total Qty. Req.	Total Value
1	FMC-01	FT-IR Spectrometer Model No. FTIR-7600 FTIR-7600 is a single-beam FT-IR Spectrometer. Wavenumber Range: 7800~375 cm ⁻¹ Resolution : 1 cm ⁻¹ Signal Noise Ratio : 30000:1 (resolution@4cm ⁻¹ , sample and background scan for 1 min@2100cm ⁻¹ Detector : High Performance DLATGS Beam splitter: Coated KBr Light Source : Long life, steady state infrared emitter Electronics System: 24bit A/D converter at 500KHz, USB 2.0 Power: 100-240VAC, 50/60 Hz Dimensions: 450mmx 350mmx 210mm Weight: 14 Kg M/s. Lambda Scientific, Australia	No	6,900,000.00	01	6,900,000.00
Total (inclusive all federal and provincial taxes and duties)			.....	.....	.....	6,900,000.00

INSTRUCTIONS:

- Store must be delivered to Central Store in due period which will be issued by the Central Store to the Indenter.
- Bill should be submitted with covering letter in Asst. Dir. Procurement-II Office along with Invoice, GST Invoice, Delivery Challan (duplicate), Contract Agreement on Stamp Paper with Stamp Duty required for payment.
- Inspection Certificate may be issued by Indenting Department.

GRAND TOTAL (Value in Words) Six million Nine Hundred Thousand Only

Order received

 29/12/22

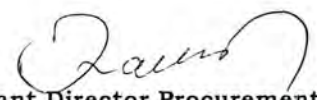
7. Date of Delivery: On or before 180 Days; (if goods not delivered within stipulated time; please immediately intimate to the procurement cell).
8. Place of Delivery: NED University Campus/Consignee.
9. Name & Address of Consignee: Food Engineering Department
10. Performance Security equivalent to 5% of Contract Schedule is required at the earliest.
11. Contract Agreement on Stamp papers value equivalent to rate as specified in Stamp Act.
12. Dispatch Instruction. Stores should be delivered at firm's premises/free to the consignee at NED University of Engineering and Technology.
13. Inspecting Officer. The consignee/ Indenting officer or his authorized representative.
At firms premises/ Consignee's end.
14. Place at which to be inspected. i. 100% payment to be made on the proof of inspection and Consignee's receipt certificate during year 2022-2023.
15. Payment. ii. ___% Payment in advance along with contract/and balance after complete delivery and in proof of consignee's receipt during the year 2022 - 2023.
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Assistant Director Procurement-II
For & on behalf of Vice Chancellor
NED University of Engg. Tech.

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Ref No: DS/NED/001/10/2022

Date: 10/28/2022

Tender Ref No: PC(FED)/NED/Equip/F.BIOCHEM/LAB/02/8172/2022

NED UNIVERSITY OF ENGINEERING & TECHNOLOGY
PROCUREMENT CELL

Subject: Procurement of Equipment for Food Biochemistry Laboratory for Department of Food Engineering

Dear Sir,

We would like to inform you that we are quoting our lowest price for the following item.

S.No	Description	Qty	Unit Price PKR	Total Price PKR
2	<p>Double beam spectrophotometer with variable bandwidth Model: 6850</p> <p>FEATURES:</p> <ul style="list-style-type: none"> • Double beam spectrophotometer with highly stable optics • Variable spectral bandwidth 0.5, 1, 2, 4, 5nm • Integrated user interface • USB port for data storage • Conforms to European Pharmacopeia requirements • Jenway Prism PC software included as standard <p>Technical Specifications:</p> <p>Wavelength range: 190 to 1100nm Wavelength resolution: 0.1nm Wavelength accuracy: $\pm 0.3\text{nm}$-(at 0.5 and 1nm bandwidth) $\pm 0.5\text{nm}$ (at 2, 4 and 5nm bandwidth) Wavelength reproducibility: $\pm 0.2\text{nm}$ Spectral bandwidth: Variable 0.5, 1, 2, 4, 5nm Photometric range: - 0.3 to 3.0A 0 to 200T Photometric accuracy: $\pm 0.002\text{A}$ (0- 0.5A) $\pm 0.3\text{T}$ (0- 100T) Photometric reproducibility: $\pm 0.001\text{Abs}$ (0 to 0.5 Abs) $\pm 0.002\text{Abs}$ (0.5 to 1.0 Abs) 0.15T (0- 100T) Resolution: 0.1T, 0.001A Stray light: 0.05T at 220 and 360nm Stability: $\pm 0.001\text{Ah}$ at 500nm after 15 min warm up Multi-wavelength: Up to 10 wavelengths, up to 20 wavelengths with PC software Calculations: Ratio, difference, formulae with factors Spectrum range: Any range between 190 and 1100nm Scan speed: 100 to 2000nm/min Scan interval: 0.1, 0.2, 0.5, 1, 2 or 5nm Analysis: Auto peaks and valleys, zoom, addition, subtraction, peak ratios, smoothing, Wavelength table, derivatives, overlay with PC software</p>	1	952,260.00	952,260.00

TECHNE

epredia

Teknokroma

CARBOLITE

omega

ELGA

NICKEL-ELECTRO LTD.

BIOBASE

stuart

Electrothermal

KERN

helena

JENWAY

Endocolls

Clifton

Head Office:

House # A-21, Block 13-D/1, Ruffi Cottages, Sehba Akhtar Road, Gulshan-e-Iqbal, Karachi - Pakistan.
Ph: +92-21-34972337, 34961359 Fax: +92-21-34972349
E-mail: info@diagnosticsystems.com.pk, sales@diagnosticsystems.com.pk
Web : www.diagnosticsystems.com.pk

Lahore Office:

666/A, Block B,
Faisal Town - Lahore.
Cell No : 0308-4405846
Web : www.diagnosticsystems.com.pk

Islamabad Office:

Flat # 4, 2nd Floor,
Adil Plaza, Service Road,
Khanna Bridge - Islamabad.
Web: www.diagnosticsystems.com.pk



Kinetics: Up to 12 hours with time intervals of 0.1, 0.2, 0.5, 1, 2, 5, 10 or 30 seconds
Analysis: Slope and formula of line of best fit between any two points
Quantitation points: Up to 3 wavelengths

Quantitation Calibration: Blank with up to 10 standards or factor
Concentration range: 0- 99999
Calibration: Blank with standards or factor
DNA RNA and Protein: DNARNA Ratio, concentration, A320 correction
Noise: 0.0005A
Light source: Tungsten halogen and Deuterium lamps
Lamp changeover: 325 to 370nm selec table
Outputs: USB and parallel
Operating system: Windows 2000, XP, Vista, Windows 7
Electrical supply: 120VA, 220 110V, 50 60Hz
Size (w x d x h): 600 x 450 x 200mm
Weight: 22kg

Make: JENWAY - UK

3

Benchtop Visible Spectrophotometer with Domed Lid
Model: 63260

Features:

Wavelength range of 320 to 1000 nm
Absorbance, %T, and concentration modes
Analog and RS-232 outputs let you interface with printers and PCs
Multi-parameter display with wavelength and photometric readouts
Wide range of sampling accessories

Technical Specifications:

1

2,900,000.00

2,900,000.00

Handwritten signature

Handwritten signature

9

Stray Light: <0.5%T
 Source Lamp Tungsten-Halogen
 Beam Type: Single
 Bandwidth: 8.0 nm
 Min Wavelength (nm): 320
 Max Wavelength (nm): 1000
 Wavelength Accuracy: ± 2.0 nm
 Min Photometric - Transmittance (%T): 0
 Max Photometric - Transmittance (%T): 199.9
 Min Photometric - Absorbance (A): -0.3
 Max Photometric - Absorbance (A): 1.999
 Min Photometric - Concentration (C): -300
 Max Photometric - Concentration (C): 1999
 Detector: Solid-state
 Output: RS-232; 0 to 1.999v
 Display Type: LCD (4-digit)
 Width (cm): 26.16
 Height (cm): 11.4
 Depth (cm): 19.3
 Width (in): 10 19/64
 Height (in): 4 1/2
 Depth (in): 7 19/32
 Power (VAC): 230
 Power (Hz): 50
 Description: Visible Spectrophotometer; 230 VAC

Make: JENWAY - UK

8

Laboratory Oil Bath Oil
 Model: OB-1

Features:

1. LED display
2. Automatic protection for overheating
3. Material: Main body is issteel plate with Baking varnish
 ;Internal is imported stainless steel

Technical Specifications:

TemperatureRange: RT~300°C
 Temperature fluctuation: $\leq 1^\circ\text{C}$
 Temperature control precision: $\leq 1^\circ\text{C}$
 Heating power: 2000W
 Power Supply: 110V/220V $\pm 10\%$, 50/60HZ
 Workroom cubage (mm3): 280*280*300mm3
 Package Size (W*D*H)mm: 520*420*400
 Gross Weight: 15kg

Make: BIOBASE - CHINA

1

192,000.00

192,000.00

9

Benchtop Turbidimeter
 Model: BK-T3B

Features:

1

321,000.00

321,000.00

9

- * Narrow band filter system, less susceptible to interference of light
- * Large LCD display
- * Able to store standard 10 curve and 500 measurements value
- * Anticorrosive ABS body
- * 16-bit single chip microcomputer system
- * Printing function, USB port included

Technical Specifications:

Measuring Range(NTU): 0~1000

 Basic Error(F.S): $\leq \pm 2\%$

 Repeatability(F.S): $\leq \pm 2\%$

Minimum Resolution(NTU): 0.01

Drift Per Hour(NTU): <0.1

 Power Supply: AC110/220V $\pm 10\%$, 50/60Hz

Package Size(mm): 270*270*180

Gross Weight(kg): 3

Make: BIOBASE - CHINA

14

Hotplate with Stirrer
Model: UC152

1

153,600.00

153,600.00

Features:

- Choice of top plate:
 - Robust coated aluminium
 - Chemically resistant ceramic
- Flashing "Hot" warning light, mains independent
- Accurate temperature control with LED indicator scale
- Compact space saving design

Technical Specifications:

Plate Material: Glass ceramic Silicon

Plate Dimensions, mm: 150 x 150

Heated Area, mm: 120 x 120

Heater Power, Watt: 500

Max plate temp, °C: 450

Stirrer Speed, rpm: 100 - 2000

Maximum Stirring Capacity, L*: 15

Dimensions (w x d x h), mm: 172 x 248 x 122

Net weight, kg: 2.9

Electrical supply: 230V, 50Hz, 550W

IP Rating: 32

Make: STUART - UK

TERMS & CONDITIONS

- PAYMENT TERMS :** As per Tender
- DELIVERY:** As per Tender
- VALIDITY:** 90 days

Total 4518,860
 Total 4518,860
 #
 7325

(Signature)
 01/11/22
 APP-11


PART - VIII

NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD ENGINEERING
SPECIFICATIONS AND QUANTITIES OF EQUIPMENT

Food Biochemistry Equipment

S. No.	Item Code	Item	Description/ Specification	Qty.	Unit Price	Total
1	FMC-01	FT-IR Spectrometer	<ul style="list-style-type: none"> IRAffinity-1S (Beam splitter only) from Shimadzu or equivalent Compatible Library for same model 	1		
2	FMC-02	UV/VIS Spectrometer Peak Instruments	<ul style="list-style-type: none"> Double beam scanning spectrometer Double beam UV/Vis spectrophotometer covering 190-1100nm Bandwidth of 2nm Compact design Colour Touch screen display with easy to use software with USB ports must be provided as standard USB ports for method and result storage plus connection to a PC Optional PC control, built in thermal printer, and/or Bluetooth® <p>Specification:</p> <ul style="list-style-type: none"> Wavelength Range: 190-1100nm Detector: Dual Solid State Silicon photodiode Source: Xenon (PTR) Bandwidth: 2nm Wavelength Accuracy: $\pm 0.5\text{nm}$ Wavelength Reproducibility (+/-): 0.1nm Spectral Scanning: Yes (up to 1100nm) Optical System: Czerny-Turner Monochromator Photometric Accuracy: $\pm 0.002\text{ A}$ at 0.5A, $\pm 0.004\text{ A}$ at 1A $\pm 0.006\text{ A}$ at 2A Stray Light: $<0.050\%$ using NaI, NaNO_2 at 220 and 340nm Stability: 0.001A/hr at 546nm & 700nm Measurement Type: Fixed Wavelength, Abs/%T, Abs ratio, Abs difference, concentration (standard curve), concentration (factor), multiwavelength, kinetics, Life Science Methods, user log-on, Equation editor Cell Compatibility: Cuvette, Microcell*, Variable Pathlength Cell* Method Storage: Up to 90 on-board, unlimited via USB Regulatory Compliance: 21 CFR part 11*, IQ/OQ* Data Output: Store, Print*, USB Drive*, Export to PC, PC Control* Display: Colour Touchscreen Export/ Data Storage: Internal Memory, USB Drive*, Bluetooth*, USB cable to PC Data Interface: Only USB Export to PC via USB cable 	1	9,35000/-	9,35000/-



			<ul style="list-style-type: none"> Built in printer Export to a PC via Bluetooth Full PC control with Software 			
3	FMC-03	VIS Spectrometer <i>Biobase</i> <i>with software</i>	<ul style="list-style-type: none"> Split beam UV/Vis spectrophotometer covering 325-1100nm <i>UV-1100</i> Bandwidth of <3nm Compact design Press To Read (PTR) xenon lamp technology 8-position sample changer as standard USB ports for method and result storage plus connection to a PC Optional PC control, built in thermal printer, and/or Bluetooth® Specification: Wavelength Range: 325-1100nm Detector: Dual Solid State Silicon photodiode Source: Xenon (PTR) Bandwidth: <3nm Wavelength Accuracy: 1nm Wavelength Reproducibility (+/-):0.5nm Spectral Scanning: Yes (up to 1100nm) Optical System: Reference Beam Compensation Photometric Accuracy: -3.000 to 3.000A, -9999 to 9999 conc. units, 0.1 to 200%T Stray Light: <0.050% using NaI, NaNO₂ at 220 and 340nm Stability± 0.002A/h at 0A after warm up Measurement Type: Fixed Wavelength, Abs/%T, Abs ratio, Abs difference, concentration (standard curve), concentration (factor), multiwave length, kinetics, Life Science Methods, user log-on, Equation editor Cell Compatibility: Cuvette, Microcell*, Variable Path length Cell* Method Storage: Up to 18 Regulatory Compliance: 21 CFR part 11*, IQ/OQ* Data Output: Store, Print*, USB Drive*, Export to PC, PC Control* Display: Graphical LCD Export/ Data Storage: USB Serial cable Data Interface: serial, parallel 	1	3,25000/-	
4	FMC-04	GC - Gas Chromatograph 	ENVIRONMENTAL CONDITIONS <ul style="list-style-type: none"> Operating temperature 10-40°C Operating humidity 0-90% Line voltage requirements 230V ~ 50 Hz (±10% max) 2800W COLUMN OVEN <ul style="list-style-type: none"> Operating temperature 5°C above ambient to 500°C -50°C to 500°C with liquid CO₂ cryogenic cooling option -100°C to 500°C with liquid N₂ cryogenic cooling option Temperature resolution 0.1°C Thermal accuracy ± 0.1°C Thermal stability ± 0.1°C 	1	N/Q.	

INDH

CONTROL

			<ul style="list-style-type: none"> Injector for microcapil widebore columns with d carrier gas. The DANI SPLIT S designed according to of Split injection techr The sample injector liner. The sample split co of the injector. The sample is ins 450°C) and rap capillary column. The whole injector has com, avoiding cold points. The injector septa is purged by a constantly flow (DFC controlled) in order avoid carryover. 			
5	FMC-05	Waring blender <i>Waring U.S.A</i>	<ul style="list-style-type: none"> Capacity: 1 Liter/1.2 Liter Switch Settings: Variable Speed for mixing, stirring, blending, or homogenizing Base: Epoxy Coated Motor Housing Container: Stainless steel with handle and two piece vinyl and styrene lid LB10S. Heat resistant glass with handle and two piece vinyl and styrene lid LB10G. 	1	2,95000/-	2,95000/-
6	FMC-06	Evaporator Composition <i>RE-100S on Lab.</i>	<ul style="list-style-type: none"> DC brushless motor (for rotation) and DC motor (for lifting) Vacuum regulator VR600 Vacuum regulator VR800 Performance Number of revolutions (rpm) 10 - 250 r/min Motorized lift stroke 150mm Setting range of vacuum 0-981hPa Measurable range of vacuum 0-1033hPa Resolution of vacuum 1hPa Setting range of hysteresis 1-50hPa Resolution of vapor temperature indicator Selectable (either 1°C or 0.1°C) Readout of cooling water temperature Depending on indicator(option) Resolution of cooling water temperature indicator 1°C Performance and features Operation modes <ul style="list-style-type: none"> Manual without vacuum control, preset, preset with timer, pressure gradient, and gradient with timer Auto I (drying), Auto II (for one solvent), and Automatic III (for more than two solvents) modes Setting range of timer 1-999 minutes in increments/decrements of 1 minute for preset operations, 1-99 minutes for progressive operations Memory 10 programs/operation mode Data of solvents 	1	4,85000/-	4,85000/-



Procurement Cell

		53 saturated vapor pressure			Procurement Cell																											
		<ul style="list-style-type: none">Speed (rpm) settingControl knob (digital inc)Safety measures (drive)Manual-setting lower li overloadSafety measures (vac)Self-diagnosis, main stop at malfunctionSynchronized contrSelection of auton insulationLifting featureMotorized lifting system			<table><tr><td>No.</td><td></td><td></td></tr><tr><td>5</td><td>17500/-</td><td>87500/-</td></tr><tr><td>No.</td><td>each</td><td></td></tr><tr><td>1</td><td>35000/-</td><td>35000/-</td></tr><tr><td></td><td>585</td><td>29250/-</td></tr><tr><td></td><td>85</td><td>29250/-</td></tr><tr><td></td><td>0</td><td>16000/-</td></tr><tr><td></td><td>74,53,529/-</td><td></td></tr><tr><td></td><td>4,53,529/-</td><td></td></tr></table>	No.			5	17500/-	87500/-	No.	each		1	35000/-	35000/-		585	29250/-		85	29250/-		0	16000/-		74,53,529/-			4,53,529/-	
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	4,53,529/-																															
FMC-07	Refrigerated water baths <i>Faithfull England.</i>	<ul style="list-style-type: none">Reservoir Capacity 6 litersCooling Capacity @ + 20° C 200 Watts0° C 140 Watts10° C 100 WattsOver-Temperature Cutoff AdjustableLow-Liquid Cutoff Yes																														
FMC-08	Oil Bath	<ul style="list-style-type: none">Temperature range RT-300°C/400°C	1	3,39,000/-	3,39,000/-																											
FMC-09	Turbidity Meter <i>TUB-30</i> <i>Taiwan</i>	<ul style="list-style-type: none">Range: 0 - 10,000 NTUPrinciple of Operation: NephelometricRatio (Color Correction): Full Time ON or OFFAccuracy: ± 2% of reading plus 0.01 NTU (0 to 1000 NTU)± 5% of reading (1000 to 4000 NTU)± 10% of reading (4000 to 10,000 NTU)Resolution: 0.0001 NTU on Lowest RangeResponse Time: Less than 6 secondsSample Size: 30 mlLight Source: Quick connect InfraredOperating Temperature: 0° - 50°CAir Purge: Connection for external dry air supplyOutputs: RS-232 Serial Port	1	1,85,000/-	1,85,000/-																											
MC-10	AW analyzer <i>H12040</i> <i>Hanna England.</i>	<ul style="list-style-type: none">Operation environment: 4 to 50°C (39 to 122°F), 0 to 90% Relative Humidity (non-condensing)Sensors: Dielectric humidity sensor and infrared sample surface temperatureRange: 0 to 1.000 awAccuracy: ±0.015 aw	1	3,25,000/-	3,25,000/-																											
MC-11	Forced air drying oven <i>101-3AB</i> <i>Faithfull England.</i>	<ul style="list-style-type: none">Capacity 250LTemperature Range ambient +5°C to 200°CTemperature Set Division ±0.5°CTemperature Uniformity ±1°CTimer (hours) 0-99.59Platforms 2Max. Platforms 4	1	4,35,000/-	4,35,000/-																											
IC-12	Shake Incubator <i>JN-SK100</i>	<ul style="list-style-type: none">Comecta Cod 5312096 (Need clamp holders only for this particular model)Clamp holders for<ul style="list-style-type: none">100 ml conicals250 ml conicals500 ml conicals	6 each	3,65,000/-	21,90,000/-																											

13	FMC-13	Stomacher	<ul style="list-style-type: none"> Time: 30, 180, 600sec Rap speed: 6-9 times/sec Capacity: 3-400ml Rap trunk: stainless steel Power: 220V/50HZ Sterilized Homogenize Bag: 17x30cm Wattage: 300W 	1		N/Q
14	FMC-14	Hot plate with magnetic stirrer	<ul style="list-style-type: none"> Plate Size: 11.8 x 11.8cm (4.65 x 4.65 inches) Spin Speed: 0-1600 rpm Temp. Range: Room temp. to approx. 100° C (212° F) Stirring Capacity: 500ml 	1		85000/- 85000/-
15	FMC-15	Chemicals and Glass Wares				
1		Ethanol (CAS Number 64-17-5) MERCK/SIGMA		5 L	4500/-	9000/-
2		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			2.5L	5 Liter.
3		Lead acetate (CAS Number 6080-56-4) MERCK/SIGMA		1 Kg	6900/-	6900/-
4		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			kg	
5		Ferric chloride (CAS Number: 7705-08-0) MERCK/SIGMA		1 Kg	3900/-	3900/-
6		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			kg	
7		Ferrous sulphate (CAS Number 7782-63-0) MERCK/SIGMA		1 Kg	4500/-	4500/-
8		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			kg	
9		Hydrocyanic acid (CAS Number 74-90-8) MERCK/SIGMA		1 L		N/Q
10		ALDRICH/BDH/Fisherchemical/Supelco/Milipore				
11		Hydrochloric acid (CAS Number 7647-01-0) MERCK/SIGMA		1 L	2500/-	4500/-
12		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			L	
13		Bromocresol green (CAS Number 76-60-8) MERCK/SIGMA		25 G	14000/-	14000/-
14		ALDRICH/BDH/Fisherchemical/Supelco			25gm	25gm
15		Ninhydrin (CAS Number 485-47-2) MERCK/SIGMA		100 G	6500/-	26000/-
16		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			25gm	100gm
17		Acetone (CAS Number 67-64-1) MERCK/SIGMA		5 L	6500/-	13000/-
18		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			2.5L	
19		Sodium hydroxide (CAS Number 1310-73-2) MERCK/SIGMA		1 KG	4200/-	4200/-
20		ALDRICH/BDH/Fisherchemical/Supelco/Milipore				
21		Starch (CAS Number 9005-84-9) MERCK/SIGMA		1 KG	4100/-	4100/-
22		ALDRICH/BDH/Fisherchemical/Supelco/Milipore				
23		Alpha naphthol (CAS Number: 90-15-3) MERCK/SIGMA		100 G	4900/-	4900/-
24		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			100gm	
25		Sulphuric acid (CAS Number 7664-93-9) MERCK/SIGMA		2.5 L	5500/-	5500/-
26		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			2.5L	
27		Ammonium chloride (CAS Number 12125-02-9) MERCK/SIGMA		500 G	3900/-	3900/-
28		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			500gm	
29		Ammonium hydroxide solution (CAS Number 1336-21-6) MERCK/SIGMA		1 L	4300/-	4300/-
30		ALDRICH/BDH/Fisherchemical/Supelco/Milipore				

Procurement Cell

16		Magnesium sulfate (CAS Num			
17		MERCK/SIGMA			
18		ALDRICH/BDH/Fisherchemi			
		Methyl red (CAS Number 49			
		MERCK/SIGMA			
19		ALDRICH/BDH/Fisherche			
		Sodium Chloride (CAS Nu			
		MERCK/SIGMA			
20		ALDRICH/BDH/Fisher			
		Potassium sodium tartra			
		Number 6381-59- 5) M			
21		ALDRICH/BDH/Fish			
		Fehling reagent I (CAS Num			
		MERCK/SIGMA			
22		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Potassium Hydrogen Pthalate (CAS Number 877-24-			
		7) MERCK/SIGMA			
23		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Sucrose (CAS Number 57-50-1) MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
24		Potassium Permanganate (CAS Number 7722-64-7)			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
25		Oxalic Acid (CAS Number 144-62-7)			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
26		Ion Exchange Resin (cationic)			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
27		Potassium Dichromate (CAS Number 7778-50-9)			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
28		Sodium Bicarbonate (CAS Number 144-55-8)			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
29		Nickel Sulfate (CAS Number 7786-81- 4)			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
30		Hydrogen peroxide solution			
		(CAS Number 722-84-1) MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco			
		Trypsin EnzymeMERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Diastase enzymeMERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Citric acid (CAS Number 77-92-9) MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Dextrose (CAS Number 50-99-7) MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Lipase Enzyme			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Papain enzyme			
		MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Gelatin (CAS Number 9000-70-8) MERCK/SIGMA			
		ALDRICH/BDH/Fisherchemical/Supelco/Milipore			
		Pectinase			
		MERCK/SIGMA			

No.		
5	17500/-	87500/-
No.	35000/-	35000/-
1	585	29250
	85	29250
	16000/-	
	74,53,529/-	
	4,53,529/-	

G	500gm	
1	3900/-	3900/-
KG	500	
G	5800/-	5800/-
	500gm	500gm
500	4300/-	4300/-
G	500gm	
100	N/Q	
G		
500	5900/-	5900/-
G	500gm	
1Kg	6500/-	6500/-
	1cs	
50	2900/-	2900/-
G	50gm	
500	2900/-	2900/-
ML	500ml	
25	26000/-	26000/-
G	25gm	
25	14000/-	14000/-
G	25gm	
500	3900/-	3900/-
G	500gm	
1 Kg	4900/-	4900/-
25		
G		
25	N/Q	
G		
100	4500/-	4500/-
G	100gm	100gm
25		
G		



38		ALDRICH/BDH/Fisherchemical/Supelco/Milipore Amylase MERCK/SIGMA ✓	25 G	11500/-	11500/-
39		ALDRICH/BDH/Fisherchemical/Supelco/Milipore Protease MERCK/SIGMA ✓	25 G	25 gm	25 gm
40		ALDRICH/BDH/Fisherchemical/Supelco/Milipore Pepsin MERCK/SIGMA ✓	25 G	N/A	N/A
41		ALDRICH/BDH/Fisherchemical/Supelco/Milipore Centrifuge tubes (20ml, 50ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	10500/- 25 gm	10500/- 25 gm
42		Falcon tubes (15ml, 50ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	48/-	1152/-
43		Homogenizing flask (250 ml) <i>Conical Plastic</i> BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	65/-	1560/-
44		Glass Beakers (100 ml, 250 ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	625/-	14880/-
45		Pipettes (10 ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	235/- 265/-	5640/- 6360/-
46		Glass petri dishes (100 mm*20 mm) (150 mm*15 mm) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	310/-	7440/-
47		Stirring rods (Glass) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	365/-	8760/-
48		Spatula (SS) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	650/-	15600/-
49		Watch glass BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	325/-	7800/-
50		Graduated cylinder (10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	410/-	9840/-
51		Crucible with Lid BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	2300/- All Range	55200/-
52		Amber Glass bottles (100 ml, 250 ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	100ml 24 250ml Nos.	410/-	9840/-
53		Separating funnels BOROSIL/Spark/MSS/MBL/Pyrex ✓	250ml 24 Nos.	550/-	13200/-
54		Burette stand <i>with clamp</i> BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	3800/-	91200/-
55		Burette Clamp BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	3500/-	84000/-
56		Litmus paper (Blue) <i>China</i> BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	1400/-	33600/-
57		Refractometer - 0-90° <i>China</i> BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	225/-	5400/-
58		Durham tubes BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	9800/-	235200/-
59		Pyrex bottle for media (100ml, 250ml) BOROSIL/Spark/MSS/MBL/Pyrex ✓	100ml 24 250ml Nos.	2500/- 24PK	2500/-
60		Autoclave Tape BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	425/-	16200/-
61		Inoculum wire BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	435/-	10440/-
62		Silica Gel (1 kg) BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	1300/- each	31200/-
63		Test tube stand BOROSIL/Spark/MSS/MBL/Pyrex ✓	24 Nos.	450/-	10800/-
64		Vernier caliper (Digital) <i>China</i>	5	4900/- 1100/-	117600/- 26400/-
				3500/-	17500/-

Magnesium sulfate (CAS Number 7487-88-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	3500/- 500gr	3500/-
Methyl red (CAS Number 493-52-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	25 G	6900/- 25gr	6900/- 25gr
Sodium Chloride (CAS Number 7647-14-5) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco	500 G	4300/- 500gr	4300/-
Potassium sodium tartrate tetrahydrate (CAS Number 6381-59-5) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	4800/- 500gr	4800/-
Fehling reagent I (CAS Number 7758-98-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	1 L	4500/- 1L	4500/-
Potassium Hydrogen Pthalate (CAS Number 877-24- 7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	16000/- 500gr	16000/-
Sucrose (CAS Number 57-50-1) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	1 KG	3900/-	3900/-
Potassium Permanganate (CAS Number 7722-64-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	5800/- 500gr	5800/- 500gr
Oxalic Acid (CAS Number 144-62-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	4300/- 500gr	4300/-
Ion Exchange Resin (cationic) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	100 G	N/Q	
Potassium Dichromate (CAS Number 7778-50-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	5900/- 500gr	5900/-
Sodium Bicarbonate (CAS Number 144-55-8) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	1Kg	6500/- 1kg	6500/-
Nickel Sulfate (CAS Number 7786-81-4) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	50 G	2900/- 50gr	2900/-
Hydrogen peroxide solution (CAS Number 722-84-1) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco	500 ML	2900/- 500ml	2900/- 500ml
Trypsin Enzyme MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	25 G	26000/- 25gr	26000/-
Diastase enzyme MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	25 G	14000/- 25gr	14000/-
Citric acid (CAS Number 77-92-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	500 G	3900/- 500gr	3900/-
Dextrose (CAS Number 50-99-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	1 Kg	4900/-	4900/-
Lipase Enzyme MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	25 G	N/Q	
Papain enzyme MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	25 G	N/Q	
Gelatin (CAS Number 9000-70-8) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	100 G	4500/- 100gr	4500/- 100gr
Pectinase MERCK/SIGMA	25 G		



65		BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.		
		Screw gauge (Digital)	5		
66		BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	17500/-	87500/-
		GSM cutter	1		
67		BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	35000/-	35000/-
		RD bottle (25 mL-50 pieces, 50 mL-50 pieces)	100	585/-	29250/-
68		BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	Nos.	585/-	29250/-
		Hand sealer	1		
		BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	No.	16000/-	16000/-
Total Bid Amount including all Provincial and Federal taxes & duties etc.,			Total	Rs: 74,53,529/-	Rs: 74,53,529/-

MUGHAL TRADERS

Proprietor

Signature & Stamp of Bidder

01/11/22

01/11/22
NED

PART - VIII

NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF FOOD ENGINEERING
SPECIFICATIONS AND QUANTITIES OF EQUIPMENT

Food Biochemistry Equipment

S. No.	Item Code	Item	Description/ Specification	Qty.	Unit Price	Total
1	FMC-01	FT-IR Spectrometer	<ul style="list-style-type: none"> IR Affinity-1S (Beam splitter only) from Shimadzu or equivalent Compatible Library for same model 	1	6,00,000	6,00,000
2	FMC-02	UV/VIS Spectrometer	<ul style="list-style-type: none"> Double beam scanning spectrometer Double beam UV/Vis spectrophotometer covering 190-1100nm Bandwidth of 2nm Compact design Colour Touch screen display with easy to use software with USB ports must be provided as standard USB ports for method and result storage plus connection to a PC Optional PC control, built in thermal printer, and/or Bluetooth® <p>Specification:</p> <ul style="list-style-type: none"> Wavelength Range: 190-1100nm Detector: Dual Solid State Silicon photodiode Source: Xenon (PTR) Bandwidth: 2nm Wavelength Accuracy: $\pm 0.5\text{nm}$ Wavelength Reproducibility (+/-): 0.1nm Spectral Scanning: Yes (up to 1100nm) Optical System: Czerny-Turner Monochromator Photometric Accuracy: $\pm 0.002\text{ A}$ at 0.5A, $\pm 0.004\text{ A}$ at 1A $\pm 0.006\text{ A}$ at 2A Stray Light: $<0.050\%$ using NaI, NaNO_2 at 220 and 340nm Stability: 0.001A/hr at 546nm & 700nm Measurement Type: Fixed Wavelength, Abs/%T, Abs ratio, Abs difference, concentration (standard curve), concentration (factor), multiwavelength, kinetics, Life Science Methods, user log-on, Equation editor Cell Compatibility: Cuvette, Microcell*, Variable Pathlength Cell* Method Storage: Up to 90 on-board, unlimited via USB Regulatory Compliance: 21 CFR part 11*, IQ/OQ* Data Output: Store, Print*, USB Drive*, Export to PC, PC Control* Display: Colour Touchscreen Export/ Data Storage: Internal Memory, USB Drive*, Bluetooth*, USB cable to PC Data Interface: Only USB Export to PC via USB cable 	1	14,90,000	14,90,000

			<ul style="list-style-type: none"> Built in printer Export to a PC via Bluetooth Full PC control with Software 			
3	FMC-03	VIS Spectrometer	<ul style="list-style-type: none"> Split beam UV/Vis spectrophotometer covering 325-1100nm Bandwidth of <3nm Compact design Press To Read (PTR) xenon lamp technology 8-position sample changer as standard USB ports for method and result storage plus connection to a PC Optional PC control, built in thermal printer, and/or Bluetooth® Specification: <ul style="list-style-type: none"> Wavelength Range: 325-1100nm Detector: Dual Solid State Silicon photodiode Source: Xenon (PTR) Bandwidth: <3nm Wavelength Accuracy: 1nm Wavelength Reproducibility (+/-): 0.5nm Spectral Scanning: Yes (up to 1100nm) Optical System: Reference Beam Compensation Photometric Accuracy: -3.000 to 3.000A, -9999 to 9999 conc. units, 0.1 to 200%T Stray Light: <0.050% using NaI, NaNO₂ at 220 and 340nm Stability ± 0.002A/h at 0A after warm up Measurement Type: Fixed Wavelength, Abs/%T, Abs ratio, Abs difference, concentration (standard curve), concentration (factor), multiwave length, kinetics, Life Science Methods, user log-on, Equation editor Cell Compatibility: Cuvette, Microcell*, Variable Path length Cell* Method Storage: Up to 18 Regulatory Compliance: 21 CFR part 11*, IQ/OQ* Data Output: Store, Print*, USB Drive*, Export to PC, PC Control* Display: Graphical LCD Export/ Data Storage: USB Serial cable Data Interface: serial, parallel 	1	6095,000	1,095,000
4	FMC-04	GC - Gas Chromatograph	<p>ENVIRONMENTAL CONDITIONS</p> <ul style="list-style-type: none"> Operating temperature 10–40°C Operating humidity 0-90% Line voltage requirements 230V ~ 50 Hz (±10% max) 2800W <p>COLUMN OVEN</p> <ul style="list-style-type: none"> Operating temperature 5°C above ambient to 500°C -50°C to 500°C with liquid CO₂ cryogenic cooling option -100°C to 500°C with liquid N₂ cryogenic cooling option Temperature resolution 0.1°C Thermal accuracy ± 0.1°C Thermal stability ± 0.1°C 	1		

			<ul style="list-style-type: none"> • Injector for microcapillary, capillary and widebore columns with digital flow regulator of carrier gas. • The DANI SPLIT SPLITLESS injector is designed according to the strictly requirements of Split injection technique: • The sample injection comes into a inert glass liner. • The sample split comes into the most hot zone of the injector. • The sample is instantaneously vaporized (up to 450°C) and rapidly transferred into the GC capillary column. • The whole injector has completely heated avoiding cold points. • The injector septa is purged by a constantly flow (DFC controlled) in order avoid carryover. 			
5	FMC-05	Waring blender	<ul style="list-style-type: none"> • Capacity: 1 Liter/1.2 Liter • Switch Settings: Variable Speed for mixing, stirring, blending, or homogenizing • Base: Epoxy Coated Motor Housing • Container: Stainless steel with handle and two piece vinyl and styrene lid LB10S. Heat resistant glass with handle and two piece vinyl and styrene lid LB10G. 	1	690,000/-	690,000/-
6	FMC-06	Evaporator Composition	<ul style="list-style-type: none"> • DC brushless motor (for rotation) and DC motor (for lifting) • Vacuum regulator VR600 • Vacuum regulator VR800 Performance • Number of revolutions 10 - 250 r/min (rpm) • Motorized lift stroke 150mm • Setting range of vacuum 0-981hPa • Measurable range of vacuum 0-1033hPa • Resolution of vacuum 1hPa • Setting range of hysteresis 1-50hPa • Resolution of vapor temperature indicator Selectable (either 1°C or 0.1°C) • Readout of cooling water temperature Depending on indicator(option) • Resolution of cooling water temperature indicator 1°C • Performance and features • Operation modes <ul style="list-style-type: none"> Manual without vacuum control, preset, preset with timer, pressure gradient, and gradient with timer • Auto I (drying), Auto II (for one solvent), and Automatic III (for more than two solvents) modes • Setting range of timer <ul style="list-style-type: none"> 1-999 minutes in increments/decrements of 1 minute for preset operations, 1-99 minutes for progressive operations • Memory <ul style="list-style-type: none"> 10 programs/operation mode • Data of solvents 	1		





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Name Of Bidder: Lab Care

IFB Number: _____

Page of 02

Item	Discription of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-1	Solvent E 2.5Liter	England	1	Two Thousand Five Hundred SeventyFour	2574	2574
15-2	Lead II Acetate 1Kg	NA	1	0	0	
15-3	Ferric Chloride (Iron III Chloride) 1Kg	England	1	Six Thousand Four Hundred ThirtyFive	6435	6435
15-4	Ferrous Sulphate (Iron II Sulfate) 1Kg	England	1	Five Thousand Two Hundred SixtyFive	5265	5265
15-5	Hydrocyanic Acid	NA	1	0	0	
15-6	HTL 1Liter	England	1	One Thousand Seven Hundred FiftyFive	1755	1755
15-7	Bromocresol Green 25gm	England	1	Seven Thousand Nine Hundred FiftySix	7956	7956
15-8	Ninhydrin 100g	England	1	Eighteen Thousand Seven Hundred Twenty	18720	18720
15-9	Solvent AN 2.5Liter	England	1	Seven Thousand Twenty	7020	7020
15-10	Sodium Hydroxide 1Kg	England	1	Three Thousand Five Hundred Ten	3510	3510
15-11	Starch 1Kg	England	1	Three Thousand Five Hundred Ten	3510	3510
15-12	Alpha Naphthol 100g	NA	1	0	0	
15-13	Solvent S 2.5L	England	1	Four Thousand NinetyFive	4095	4095
15-14	Ammonium Chloride 500g	England	1	Three Thousand Two Hundred SeventySix	3276	3276
15-15	Ammonium Hydroxide Solution 2.5Liter	England		Three Thousand Five Hundred Ten	3510	0
					64116	

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1/11/22



Name Of Bidder: Lab Care

IFB Number:

Page of 02

Item	Description of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-1	Solvent E 2.5Liter	England	1	Two Thousand Five Hundred SeventyFour	2574	2574
15-2	Lead II Acetate 1Kg	NA	1	0	0	0
15-3	Ferric Chloride (Iron III Chloride) 1Kg	England	1	Six Thousand Four Hundred ThirtyFive	6435	6435
15-4	Ferrous Sulphate (Iron II Sulfate) 1Kg	England	1	Five Thousand Two Hundred SixtyFive	5265	5265
15-5	Hydrocyanic Acid	NA	1	0	0	0
15-6	HTL 1Liter	England	1	One Thousand Seven Hundred FiftyFive	1755	1755
15-7	Bromocresol Green 25gm	England	1	Seven Thousand Nine Hundred FiftySix	7956	7956
15-8	Ninhydrin 100g	England	1	Eighteen Thousand Seven Hundred Twenty	18720	18720
15-9	Solvent AN 2.5Liter	England	1	Seven Thousand Twenty	7020	7020
15-10	Sodium Hydroxide 1Kg	England	1	Three Thousand Five Hundred Ten	3510	3510
15-11	Starch 1Kg	England	1	Three Thousand Five Hundred Ten	3510	3510
15-12	Alpha Naphthol 100g	NA	1	0	0	0
15-13	Solvent S 2.5L	England	1	Four Thousand NinetyFive	4095	4095
15-14	Ammonium Chloride 500g	England	1	Three Thousand Two Hundred SeventySix	3276	3276
15-15	Ammonium Hydroxide Solution 2.5Liter	England		Three Thousand Five Hundred Ten	3510	0
					64116	

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N.T.N : 1284936-7

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Name Of Bidder: Lab Care

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Page of 04

Item	Description of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-31	Diastase Enzyme 25g	NA	1	0	0	
15-32	Citric Acid 500gmm	England	1	Two Thousand One Hundred Six	2106	2106
15-33	Dextrose 1Kg	England	1	Three Thousand Five Hundred Ten	3510	3510
15-34	Lipase Enzyme 25g	NA	1	0	0	
15-35	Papain Enzyme 25g	NA	1	0	0	
15-36	Gelatin	England	1	Three Thousand Five Hundred Ten	3510	3510
15-37	Pectinase 25g	NA	1	0	0	
15-38	Amylase 25g	NA	1	0	0	
15-39	Protease 25g	NA	1	0	0	
15-40	Pepsin 25g	NA	1	0	0	
15-41a	Centrifuge tube 15ml	England	1	One Thousand One Hundred Seventy	1170	1170
15-41b	Centrifuge tube 50ml	England	1	One Thousand Nine Hundred EightyNine	1989	1989
15-42a	Falcon tubes 15ml	NA	24	0	0	
15-42b	Falcon tubes 50ml	NA	24	0	0	
15-43	Homogenizing Flask 250ml	NA	24	0	0	
					12285	

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Page of 03

Item	Description of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-16	Magnesium Sulfate Kg	England	1	Five Thousand Two Hundred SixtyFive	5265	5265
15-17	Methyl Red 25gm		1	Two Thousand One Hundred Six	2106	2106
15-18	Sodium Chloride 1KG	England	1	Two Thousand Five Hundred SeventyFour	2574	2574
15-19	Potassium Sodium Tartrate Tetrahydrate 500g	NA	1	0	0	
15-20	Fehling Reagent I 1L	Na	1	0	0	
15-21	Potassium Hydrogen Pthalate 500G	England	1	Nine Thousand Three Hundred Sixty	9360	9360
15-22	Sucrose 1Kg	England	1	Three Thousand Two Hundred SeventySix	3276	3276
15-23	PPG 500Gm	England	1	Nine Thousand Nine Hundred FortyFive	9945	9945
15-24	Oxalic Acid 500gm	England	1	Two Thousand One Hundred Six	2106	2106
15-25	Ion Exchange Resin (cationic) 100g	England	1	0		
15-26	Potassium Dichromate 500gm	England	1	Twelve Thousand Eight Hundred Seventy	12870	12870
15-27	Sodium Bicarbonate 1Kg	England	1	Three Thousand Five Hundred Ten	3510	3510
15-28	Nickel Sulfate 50g	NA	1	0	0	
15-29	Hydrogen Peroxide Solution 500ml	NA	1	0	0	
15-30	Trypsin Enzyme 25g	England		0		
					51012	

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Page of 06

Item	Description of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-51	Crucible with Lid 100cc	Portugal	24	Two Hundred SeventyFour Only	275	6599
15-52a	Amber Glass bottles 100ml	Portugal	24	One Thousand One Hundred FiftyEight Only	1158	27799
15-52b	Amber Glass bottles 250ml	Portugal	24	One Thousand Six Hundred ThirtyEight	1638	39312
15-53	Separating funnel 100ml	Portugal	24	Three Thousand One Hundred FortySeven Only	3147	75535
15-54	Burette stand	China	24	Three Thousand FortyTwo	3042	73008
15-55	Burette Clamp	China	24	Four Hundred SixtySix Only	467	11204
15-56	Litmus paper (Blue) Pack of 100	China	1	Three Hundred TwentySeven Only	328	328
15-57	Refractometer 0-32 Manual	China	24	Five Thousand Two Hundred SixtyFive	5265	126360
15-58	Durham tubes Pack of 100	China	1	Seven Hundred Sixty Only	761	761
15-59a	Bottle for media 100ml	Portugal	24	Three Hundred FiftyEight Only	358	8592
15-59b	Bottle for media 250ml	Portugal	24	Five Hundred ThirtyThree Only	534	12804
15-60	Autoclave Tape	China	24	One Thousand Six Hundred ThirtyEight	1638	39312
15-61	Inoculum wire	NA	24	0	0	0
15-62	Silica Gel 1kg	England	24	Three Thousand Five Hundred Ten	3510	84240
						505854

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Page of 05

Item	Description of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-44a	Glass Beakers 100ml	Portugal	24	One Hundred NinetyEight Only	199	4774
15-44b	Glass Beakers 250ml	Portugal	24	Two Hundred Eighty Only	281	6739
15-45	Pipettes 10ml	Portugal	24	Two Hundred EightyEight Only	289	6936
15-46a	Glass Petri Dishes 100X20mm	Portugal	24	Three Hundred Four Only	304	7301
15-46b	Glass Petri Dishes 150X15mm	NA	24	0	0	0
15-47	Stirring rods	Portugal	24	SixtyFour Only	64	1544
15-48	Spatula (SS)	China	24	Four Hundred SixtyEight	468	11232
15-49	Watch glass 100mm	Portugal	24	Two Hundred FourtyEight Only	248	5953
15-50a	Graduated cylinder 10ml	Portugal	24	Three Hundred TwentyNine Only	330	7919
15-50b	Graduated cylinder 25ml	Portugal	24	Three Hundred NinetyEight Only	399	9575
15-50c	Graduated cylinder 50ml	Portugal	24	Four Hundred FiftyOne Only	452	10839
15-50d	Graduated cylinder 100ml	Portugal	24	Five Hundred FiftyFive Only	556	13338
15-50e	Graduated cylinder 250ml	Portugal	24	One Thousand SeventySix Only	1076	25834

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Page of 07

Item	Description of Items	Country of Origin	Qty.	Unit Price	Total	Remarks
15-63	Test Tube Stand	China	24	Seven Hundred Sixty Only	761	18252
15-64	Vernier caliper (Digital)	China	5	Eighteen Thousand Seven Hundred Twenty	18720	93600
15-65	Screw gauge (Digital)	China	5	TwentyOne Thousand Six Hundred FourtyFive	21645	108225
15-66	GSM cutter		1	0		
15-67a	RD bottle 25ml	Portugal	50	One Thousand Two Hundred SixtyThree Only	1264	63180
15-67b	RD bottle 50ml	Portugal	50	One Thousand Six Hundred Fourteen Only	1615	80730
15-68	Hand sealer	Portugal	1	0		

Total Bid Amount in words: Nineteen Lakh Seven Thousand Four Hundred Thirty One Only

Total Bid Amount in Figure: 1907,431

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Signature of Bidder

Proprietor

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01/11/22

[Handwritten Signature]
1/11/22

FINANCIAL BID

BRIOGENE Pvt Ltd.

Procurement of Equipment for Food Biochemistry Laboratory for Department of Food Engineering.


Tender # PC(FED)/NED/EQUIP/F.BIOCHEM/ LAB/02/8172/2022

October 30, 2022

Director Finance

NED UET

Karachi.

Tender Item #	Tender Item Specification	Briogene Item Specification	Pack size	Make /Brand	Qty Req	Unit Price (PKR)	Total Amount (PKR)																										
14	FMC-14 HOT PLATE WITH MAGNETIC STIRRER <ul style="list-style-type: none">Plate size: 11.8x11.8cm (4.65x4.65 Inches)Spin Speed: 0- 1600 rpmTemp range: Room temp to approx. 100dergee c (212f)Stirring capacity: 500ml	CAPPRondo Magnetic Hotplate Stirrer 2200 RPM, 320°C ceramic, 10L capacity, 220V Model: Cat # CRS-21H <i>Manufactured in Germany Origin: Denmark CE</i> <table><tr><td>Brand : AHN /CAPP Specifications</td><td>CAPPRondo Magnetic Stirrer Hot Plate</td></tr><tr><td>Max. Load Capacity</td><td>10 Liters</td></tr><tr><td>Speed Setting</td><td>200 – 2.200 rpm, in steps of 10 rpm</td></tr><tr><td>Temp. Range</td><td>from Ambient to 320°C</td></tr><tr><td>Time Setting</td><td>1-999 mins and Continuous</td></tr><tr><td>Digital Display</td><td>Yes. Shows Speed/Time/Actual/Set Temp. alternately</td></tr><tr><td>Safe Temp. Circuit</td><td>Yes</td></tr><tr><td>Plate Diameter</td><td>140 mm</td></tr><tr><td>Weight</td><td>1.4kg</td></tr><tr><td>Dimensions (WxDxH)</td><td>156 x 248 x 104 mm</td></tr><tr><td>Protection Class</td><td>IP 21</td></tr><tr><td>Accessories included</td><td>CRS-21H-P (temperature probe) and CRS-21H-S (stand)</td></tr><tr><td>Pulse Mode</td><td>Run-Pause-Run. Interval of 30 seconds</td></tr></table> 	Brand : AHN /CAPP Specifications	CAPPRondo Magnetic Stirrer Hot Plate	Max. Load Capacity	10 Liters	Speed Setting	200 – 2.200 rpm, in steps of 10 rpm	Temp. Range	from Ambient to 320°C	Time Setting	1-999 mins and Continuous	Digital Display	Yes. Shows Speed/Time/Actual/Set Temp. alternately	Safe Temp. Circuit	Yes	Plate Diameter	140 mm	Weight	1.4kg	Dimensions (WxDxH)	156 x 248 x 104 mm	Protection Class	IP 21	Accessories included	CRS-21H-P (temperature probe) and CRS-21H-S (stand)	Pulse Mode	Run-Pause-Run. Interval of 30 seconds	1 Unit	Capp – Germany	1	190,000	190,000
Brand : AHN /CAPP Specifications	CAPPRondo Magnetic Stirrer Hot Plate																																
Max. Load Capacity	10 Liters																																
Speed Setting	200 – 2.200 rpm, in steps of 10 rpm																																
Temp. Range	from Ambient to 320°C																																
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Accessories included	CRS-21H-P (temperature probe) and CRS-21H-S (stand)																																
Pulse Mode	Run-Pause-Run. Interval of 30 seconds																																
FMC-15 CHEMICALS AND GLASS WARES																																	
2	Nutrient Agar MERCK/SIGMA ALDRICH/BDH/Fisher chemical/Supelco/Milipore	Nutrient Agar Cat# 1054500500 MERCK	500g	MERCK	1	15,000	15,000																										
3	Lead acetate (CAS Number 6080-56- 4)MERCK/SIGMA ALDRICH/BDH/Fisherchemi	Lead(II) acetate trihydrate for analysis EMSURE® ACS, Reag. Ph Eur Cat# 1073751000	1 Kg	MERCK	1	84,500	84,500																										

Head Office: BRIOGENE (PVT.) LTD 196-A, Sindhi Muslim Cooperative Housing Society, Shahrah-e-Faisal, Karachi-74400, Pakistan.

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	Sodium chloride (CAS Number: 7705-08-0) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Iron(III) chloride anhydrous for synthesis Cat# 8039451000	1 Kg	MERCK	1	36,800	36,800
5	Ferrous sulphate (CAS Number 7782-63-0) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Iron(II) sulfate heptahydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur Cat# 1039651000	1 Kg	MERCK	1	65,500	65,500
11	Sodium hydroxide (CAS Number 1310-73-2) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Sodium hydroxide pellets for analysis EMSURE® cat# 1064981000	1KG	MERCK	1	4,500	4,500
12	Starch (CAS Number 9005-84-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Starch soluble GR for analysis ISO cat# 1012521000	1KG	MERCK	1	36,500	36,500
13	Alpha naphthol (CAS Number: 90-15-3) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	1-Naphthol for synthesis. Cat# 8222890250	100G	MERCK	1	12,500	12,500
14	Ammonium chloride (CAS Number 12125-02-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Ammonium chloride for analysis EMSURE® ACS,ISO,Reag. Ph Eur cat# 1011451000	500G	MERCK	1	13,200	13,200
15	Ammonium hydroxide solution (CAS Number 1336-21-6) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Ammonia solution 25 % for analysis EMSURE® ISO,Reag. Ph Eur Synonyms: Ammonium hydroxide solution cat# 1054321011	1L	MERCK	1	10,500	10,500
16	Magnesium sulfate (CAS Number 7487-88-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Magnesium sulfate anhydrous for analysis EMSURE® cat# 1060671000	500G	MERCK	1	86,000	86,000
17	Methyl red (CAS Number 493-52-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Methyl red indicator ACS,Reag. Ph Eur cat# 1060760025	25G	MERCK	1	17,900	17,900
18	Sodium Chloride (CAS Number 7647-14-5) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco	Sodium chloride for analysis EMSURE® ACS,ISO,Reag. Ph Eur cat# 1064040500	500G	MERCK	1	6,000	6,000
19	Potassium sodium tartrate tetrahydrate (CAS Number 6381-59-5) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Potassium sodium tartrate tetrahydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur cat# 1080870500	500G	MERCK	1	20,000	20,000
21	Magnesium sulfate (CAS Number 7487-88-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Magnesium sulfate anhydrous for analysis EMSURE® cat# 1060671000	500G	MERCK	1	86,000	86,000
22	Potassium Hydrogen Phthalate (CAS Number 877-24-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Potassium hydrogen phthalate for analysis EMSURE® Reag. Ph Eur Cat# 1048740250	1KG	MERCK	1	24,800	24,800
23	Sucrose (CAS Number 57-50-1) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Sucrose ACS reagent Cat# S5016-1KG	500G	MERCK	1	48,000	48,000
25	Oxalic Acid (CAS Number 144-62-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Milipore	Oxalic acid anhydrous for synthesis Cat# 8161440250	100G	MERCK	1	46,800	46,800
26	Ion Exchange Resin (cationic) MERCK/SIGMA	Ion exchanger I	500G	MERCK	1	38,000	38,000

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Email: info@briogene.com Web: www.briogene.com

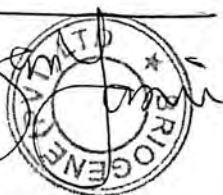
	Merck Chemicals (P) Ltd, Millipore	(strongly acidic cation exchanger, H ⁺ -form) GR for analysis Reag. Ph Eur Cat# 1047650500					
	Potassium Dichromate (CAS Number 7778-50-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Millipore	Potassium dichromate for analysis EMSURE® ACS,ISO,Reag. Ph Eur cat# 1048640500	1Kg	MERCK	1	20,000	20,000
28	Sodium Bicarbonate (CAS Number 144-55-8) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Millipore	Sodium hydrogen carbonate for analysis EMSURE® ACS,Reag.Ph Eur Synonym(s): Sodium bicarbonate Cat# 1063291000	50G	MERCK	1	5,000	5,000
29	Nickel Sulfate (CAS Number 7786-81-4) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Millipore	Nickel(II) sulfate anhydrous, 99.99% trace metals basis cat# 656895-50G	500ML	MERCK	1	149,800	149,800
30	Hydrogen peroxide solution (CAS Number 722-84-1) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco	Hydrogen peroxide 30% (Perhydrol™) for analysis EMSURE ISO Cat# 1072090500	25G	MERCK	1	19,000	19,000
33	Citric acid (CAS Number 77-92-9) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Millipore	Citric acid anhydrous for synthesis cat# 8187071000	1 Kg	MERCK	1	17,000	17,000
34	Dextrose (CAS Number 50-99-7) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Millipore	Dextrose meets EP, BP, JP, USP testing specifications, anhydrous cat# D9434-1KG	25G	MERCK	1	77,000	77,000
37	Gelatin (CAS Number 9000-70-8) MERCK/SIGMA ALDRICH/BDH/Fisherchemical/Supelco/Millipore	Gelatin tested according to Ph. Eur. Cat# 48723-500G-F	25G	MERCK	1	44,500	44,500
62	Silica Gel (1kg) Borosil/Spark/MSS/MBL/Pyrex	Silica gel with indicator (orange gel), granulate ~ 1 - 3 mm CAT# 1019691000	500G	MERCK	1	30,000	30,000
In Words (Only)							1,204,800
Total Bid Amount including all Provincial and Federal taxes & duties etc.,							

Total Bid Value in Words	One million, Two hundred four thousand, eight hundred Only
Total Bid Value in Figure	1,204,800
Total BID SECURITY Money in Figure and Words 2% of Total Bid value	25,000 (Rupees Twenty Five Thousand Only)

Other Terms and Conditions: -

Delivery Time: As per Tender Terms of Delivery schedule.
Payment Terms: As per Tender Terms
Payment Mode: Cross Cheque / Pay order in favor of Briogene (Pvt) Ltd.

Faizan Nasir
 Sales Manager
 Briogene (pvt) Ltd
 0345-2102039
 faizan.nasir@briogene.com



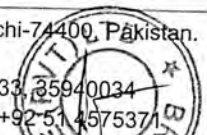
1/11/22
 [Signature]

01/11/22
 [Signature]

Head Office: BRIOGENE (PVT.) LTD 196-A, Sindhi Muslim Cooperative Housing Society, Shahrah-e-Faisal, Karachi-74400, Pakistan.
 Tel: +92 21 34322378, +92 21 34327849 Fax: +92 21 34322380

Lahore Branch: 1st Floor, 234 Ahmad Block, Garden Town, Lahore, Pakistan, Pakistan. Tel: +92 42 35940033, 35940034

Rawalpindi Branch: Office # 04, 3rd Floor, Aries Tower, Murree Road, Shamsabad, Rawalpindi, Pakistan. Tel: +92 51 4575371





MARIUM & CO

Ref. No. _____

Date: _____

Item#	Description of Items	Qty	Unit Price (PKR)	Total Price(PKR)
	Spectral Bandwidth: 1.8 nm or 4 nm optional Photometric Range: 0-200 %T -0.3-3.0 A: -9999-9999 C Photometric Accuracy: $\pm 0.002A$ (0-0.5A) $\pm 0.004A$ (0.5-1A): $\pm 0.008A$ (1-2A) $\pm 0.3\%$ (0-100%T): Photometric Repeatability $\pm 0.002A$ (0-0.5A): $\pm 0.004A$ (0.5-1A) $\pm 0.008A$ (1-2A): $\pm 0.15\%$ (0-100%T) Stability: $\pm 0.001 A/h$ at 500 nm, 0 A Baseline Flatness: $\pm 0.002 A$ Stray Light: $\leq 0.05 \%T$ (220nm, 340nm) Optical System: Split beam. CzernyTurner: Grating 1200line/nm Software: None Gross Dimension (W/D/H): 470x390x225 mm Display: LCD Noise: $\pm 0.001A$ Make: BIO Lab China			
FMC-04	GC – Gas Chromatograph GAS CHROMATOGRAPHY BCHR-109 Detail: Broacher Attached Make: Bio Lab	01 No	3510000-	3510000-
FMC-05	Waring blender	01 No	N/Q	N/Q
FMC-06	Evaporator Composition	01 No	N/Q	N/Q
FMC-07	Refrigerated water baths	09 No	N/Q	N/Q
FMC-08	Oil Bath	01 No	N/Q	N/Q
FMC-09	Turbidity Meter HI93703Turbidity Meter Easy-to-read LCD •Water-resistant keypad •Positive-locking system ensures curette is firmly placed in the cell •Auto shut-of Make: Hanna Instruments	01 No	176000-	176000- 205920
FMC-10	AW analyzer RH2 Detail: Broacher Attached Make: Austria	01 No	644000-	644000- 753180



MARIUM & CO

Ref. No. _____

Date: _____

To
The Director Procurement,
M/S NED University of Engineering & Technology,
University Road, Karachi.

Subject: TENDER NO.: PC(FED)/NED/Equip/F.BIOCHEM/LAB/02/8172/2022

DEPARTMENT OF FOOD ENGINEERING

Open 01/11/2022

Dear Sir,
We are offering our price regarding the subjected tender as under:

Item#	Description of Items	Qty	Unit Price (PKR)	Total Price(PKR)
FMC-01	FT-IR Spectrometer	01 No	N/Q	N/Q
FMC-02	UV/VIS Spectrometer Double Beam UV Visible Spectrophotometer BSDBU-102 Wavelength Range: 190-1100 nm Wavelength Accuracy: ± 0.5 nm Wavelength Repeatability: ± 0.2 nm Spectral Bandwidth: 1.8 nm or 4 nm optional Photometric Range: 0-200 %T -0.3-3.0 A: -9999-9999 C Photometric Accuracy: $\pm 0.002A$ (0-0.5A) $\pm 0.004A$ (0.5-1A); $\pm 0.008A$ (1-2A) $\pm 0.3\%$ (0-100%T): Photometric Repeatability $\pm 0.002A$ (0-0.5A); $\pm 0.004A$ (0.5-1A) $\pm 0.008A$ (1-2A); $\pm 0.15\%$ (0-100%T) Stability: ± 0.001 A/h at 500 nm, 0 A Baseline Flatness: ± 0.002 A Stray Light: ≤ 0.05 %T (220nm,340nm) Detail: Broacher Attached Make: BIO Lab China	01 No	2390000-	2390000-
FMC-03	VIS Spectrometer Split Beam UV Visible Spectrophotometer BSSBU-101 Wavelength Range: 325-1100 nm Wavelength Accuracy: ± 0.5 nm Wavelength Repeatability: ± 0.2 nm	01 No	1134000-	1134000-



MARIUM & CO

Ref. No	Item#	Description of Items	Qty	Unit Price (PKR)	Date: Total Price(PKR)
	8	Ninhydrin (CAS Number 485-47-2) MERCK/SIGMA	100 G	N/Q	N/Q
	9	Acetone (CAS Number 67-64-1) Packing: 2.5 Liter Brand: MERCK	5 L	5880- P.Leter	29400- 34398
	10	Sodium hydroxide (CAS Number 1064981000) Packing: 1 Kg Brand: SIGMA	1 Kg	4350-	4350- 5090
	11	Starch (CAS Number 1012521000) Packing: 1 Kg Brand: MERCK	1 KG	57300-	57300- 67041 5090
	12	1- NAPHTHOL GR (CAS Number: 1062230050) Packing: 50gm Brand: MERCK	100 G	36600-	36600- 42822
	13	Sulphuric acid (CAS Number 7664- 93-9) Brand: SIGMA	2.5 L	3600-	3600- 4212
	14	Ammonium chloride (CAS Number 12125-02-9) Brand: SIGMA	500 G	13450	13450- 15937
	15	Ammonium hydroxide solution (CAS Number 1054322500) Packing: 2.5 Liter Brand: MERCK	2.5 Liter	3250-	3250- 3803
	16	Magnesium sulfate Packing: 1 Kg Brand: MERCK	1 KG	5625-	5625- 6581
	17	Methyl red (CAS Number 493-52-7) Brand: MERCK (1060760025)	25 G	11125-	11125- 13016
	18	Sodium Chloride (CAS Number 1064041000) Brand: MERCK	1 KG	2500-	2500- 2925
	19	Potassium sodium tartrate tetrahydrate (CAS Number 1080871000) Packing: 01 Kg Brand: MERCK	1 KG	16250-	16250- 19013
	20	Fehling reagent I (CAS Number 7758-98-7) MERCK/SIGMA	1 L	N/Q	N/Q



MARIUM & CO

Ref. No	Item#	Description of Items	Qty	Unit Price (PKR)	Date: Total Price(PKR)
	FMC-11	Forced air drying oven	01 No	N/Q	N/Q
	FMC-12	Shake Incubator Comecta Cod 5312096 (Need clamp holders only for this particular model)	06 No	N/Q	N/Q
	FMC-13	Stomacher STOMACHER BSTO-102 Details Attached Broacher Make: Bio Lab	01 No	644000-	644000- 753488
	FMC-14	Hot plate with magnetic stirrer Details Attached Broacher	01 No	64000-	64000- 74080
	FMC-15	Chemicals and Glass Wares	05 Liter	N/Q	N/Q
	1	Ethanol (CAS Number 64-17-5) MERCK/SIGMA			
	2	Lead acetate (CAS Number 6080-56-4) Packing: 500g Brand: SIGMA	1 KG	63000-	63000- 73710
	3	Ferric chloride (CAS Number: 7705-08-0) Packing: 1 Kg Brand: SIGMA	1 Kg	16700-	16700- 19539
	4	Ferrous sulphate (CAS Number 7782-63-0) Packing: 250 gm Brand: SIGMA	1 Kg	30000-	30000- 35100
	5	Hydrocyanic acid (CAS Number 74-90-8) Brand: SIGMA	1 L	N/Q	N/Q 18252
	6	Hydrochloric acid (CAS Number 7647-01-0) Packing: 2.5 liter Brand: SIGMA	2.5 L	15600-	15600- 18252
	7	Bromocresol green (CAS Number 76-60-8) Packing: 5 Gm Brand: MERCK	25 G	124000-	124000- 145080



MARIUM & CO

Date: _____

Ref. No. _____

Item#	Description of Items	Qty	Unit Price (PKR)	Total Price(PKR)
34	Lipase Enzyme MERCK/SIGMA	25 G	N/Q	N/Q
35	Papain enzyme MERCK/SIGMA	25 G	N/Q	N/Q
36	Gelatin (CAS Number 9000-70-8) MERCK/SIGMA	100 G	N/Q	N/Q
37	Pectinase from Aspergillus Packing: 50 gm Brand: SIGMA	25 G	26400-	30888 26400-
38	Amylase MERCK/SIGMA	25 G	N/Q	N/Q
39	Protease MERCK/SIGMA	25 G	N/Q	N/Q
40	Pepsin MERCK/SIGMA	25 G	N/Q	N/Q
41	Centrifuge tubes (20ml, 50ml)	24 No	N/Q	N/Q
42	Falcon tubes (15ml, 50ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
43	Homogenizing flask (250 ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
44	Glass Beakers (100 ml, 250 ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
45	Pipettes (10 ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
46	Glass petri dishes (100 mm*20 mm) (150 mm*15mm) BOROSIL	24 No	N/Q	N/Q
47	Stirring rods (Glass) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
48	Spatula (SS) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
49	Watch glass BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
50	Graduated cylinder (10 ml, 20 ml, 50 ml, 100 ml, 250 ml, 500 ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
51	Crucible with Lid BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
52	Amber Glass bottles (100 ml, 250 ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
53	Separating funnels BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
54	Burette stand BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
55	Burette Clamp BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q



MARIUM & CO

Ref. No. _____

Date: _____

Item#	Description of Items	Qty	Unit Price (PKR)	Total Price(PKR)
21	Potassium Hydrogen Pthalate Brand: MERCK (1024000080)	500 G	33875-	33875- 39634
22	Sucrose S0389-500G) Packing: 500gm Brand: SIGMA "Alternet" Sucrose Sigma (S0389-5KG)	1 KG 5 KG	20625- 29500-	20625- 24131
23	Potassium Permanganate (CAS Number 7722-64-7) MERCK/SIGMA	500 G	N/Q	N/Q
24	Oxalic Acid (CAS Number 144-62-7) MERCK/SIGMA	500 G	N/Q	N/Q
25	Ion Exchange Resin (cationic) MERCK/SIGMA	100 G	N/Q	N/Q
26	Potassium Dichromate (CAS Number 207802) Brand: SIGMA	500 G	58300-	58300- 68211
27	Sodium Bicarbonate (CAS Number 144-55-8) Packing: 1Kg Brand: MERCK	1 Kg	6250-	6250- 7313
28	Nickel Sulfate (CAS Number 1067270100) Packing: 100gm Brand: MERCK	100 G	37000-	37000- 413290
29	Hydrogen peroxide solution (CAS Number 722-84-1) Packing: 1 Liter Brand: SIGMA	1L	3200-	3200- 3744
30	Trypsin Enzyme MERCK/SIGMA	25 G	N/Q	N/Q
31	Diastase enzyme MERCK/SIGMA	25 G	N/Q	N/Q
32	Citric acid (CAS Number 1.00244.1000) Packing: 1 Kg Brand: MERCK	1 KG	17250-	17250- 20183
33	Dextrose (CAS Number 50-99-7) MERCK/SIGMA	1 KG	N/Q	N/Q



MARIUM & CO

Ref. No. _____

Date: _____

Item#	Description of Items	Qty	Unit Price (PKR)	Total Price(PKR)
56	Litmus paper (Blue) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
57	Refractometer BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
58	Durham tubes BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
59	Pyrex bottle for media (100ml, 250ml) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
60	Autoclave Tape BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
61	Inoculum wire BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
62	Silica Gel (1 kg) BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
63	Test tube stand BOROSIL/Spark/MSS/MBL/Pyrex	24 No	N/Q	N/Q
64	Vernier caliper (Digital) BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	5 No	N/Q	N/Q
65	Screw gauge (Digital) BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	5 No	N/Q	N/Q
66	GSM cutter BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	1 No	N/Q	N/Q
67	RD bottle (25 mL-50 pieces, 50 mL-50 pieces) BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	100 No	N/Q	N/Q
68	Hand sealer BOROSIL/Spark/MSS/MBL/Pyrex/Metutoyo	1 No	N/Q	N/Q
Total Amount				9197650-
17% GST Amount				1563600-
Grand Total Amount				10761250-

Terms & Condition:

Delivery Period: After receiving purchase order within 120 days.

Bid Bond: PKR: 215300/- Bank Al-Habib Limited

1076253

Thanks & Best Regards

Marium & Co

107, 1st Floor, Asia Centre, Block-13/A, Gulshan-e-Iqbal, Karachi.

Phone: 021-34823464, Fax: 021-34823465

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. NED UNIVERSITY
- 2) PROVINCIAL / LOCAL GOVT./ OTHER PROVINCIAL
- 3) TITLE OF CONTRACT Procurement of Equipment for Food Biochemistry Laboratory
- 4) TENDER NUMBER PC/FED/NED/Equip/F. Biochem Lab/02/8172/2022
- 5) BRIEF DESCRIPTION OF CONTRACT Procurement of Equipment for Food Biochemistry Laborator
- 6) FORUM THAT APPROVED THE SCHEME Syndicate
- 7) TENDER ESTIMATED VALUE 16.751 MILLION
- 8) ENGINEER'S ESTIMATE
(For civil works only) _____
- 9) ESTIMATED COMPLETION PERIOD (AS PER CONTRACT) 120 days
- 10) TENDER OPENED ON (DATE & TIME) 01-11-2022 10:30 AM
- 11) NUMBER OF TENDER DOCUMENTS SOLD 08
(Attach list of buyers) _____
- 12) NUMBER OF BIDS RECEIVED 08
- 13) NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS 08
- 14) BID EVALUATION REPORT PROVIDED
(Enclose a copy) _____
- 15) NAME AND ADDRESS OF THE SUCCESSFUL BIDDER M/s.Nord,Marium,Mughal,LabCare,Diagnostic etc
- 16) CONTRACT AWARD PRICE Rs. 16,750,537/-
- 17) RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT
(i.e. 1st, 2nd, 3rd EVALUATION BID). The Most Advantageous Bid
- 18) METHOD OF PROCUREMENT USED : - (Tick one)
- a) SINGLE STAGE – ONE ENVELOPE PROCEDURE YES ☐ 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:

Vice Chancellor

19) APPROVING AUTHORITY FOR AWARD OF CONTRACT _____

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

21) ADVERTISEMENT :

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

Yes	T00553-22-0031
No	

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

Yes	Daily Jang, Dawn & Awami Awaz dated: 11-10-2022
No	

22) NATURE OF CONTRACT

Domestic/ Local	<input checked="" type="checkbox"/>	Int.	<input type="checkbox"/>
--------------------	-------------------------------------	------	--------------------------

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

26) WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

28) WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY
COMPLIANT?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
-----	-------------------------------------	----	--------------------------

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"/>
-----	-------------------------------------	----	--------------------------

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"/>
-----	--------------------------	----	-------------------------------------

37) WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN
THE CONTRACT (BANK GUARANTEE ETC.)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
-----	--------------------------	----	-------------------------------------

38) SPECIAL CONDITIONS, IF ANY
(If yes, give Brief Description)

Yes	
No	NO

Signature & Official Stamp of
Authorized Officer

[Signature]
Assistant Director Procurement-II
Procurement Cell
NED University of Engg. & Tech
Karachi

FOR OFFICE USE ONLY

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

Print

Save

Reset

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC(FED)/NED/Equip/F.Biochem Lab/02/8172 Dated: 22-12-2022
Contract Value: Rs. 30,000/-
Contract Title: PROCUREMENT OF EQUIPMENT FOR FOOD BIOCHEMISTRY LABORATORY.

M/s. Briogene (Pvt.) Ltd

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

M/s. Briogene (Pvt.) Ltd

Without limiting the generality of the foregoing, [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/s. Briogene (Pvt.) Ltd

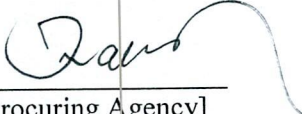
[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

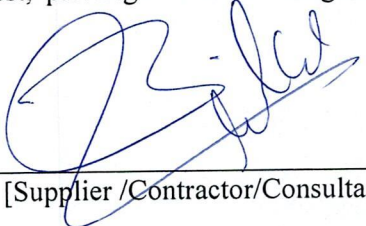
M/s. Briogene (Pvt.) Ltd

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

M/s. Briogene (Pvt.) Ltd

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s. Briogene (Pvt.) Ltd [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.


[Procuring Agency]


[Supplier /Contractor/Consultant]

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC(FED)/NED/Equip/F.Biochem Lab/02/8172 Dated: 22-12-2022
Contract Value: Rs. 6,900,000/-
Contract Title: PROCUREMENT OF EQUIPMENT FOR FOOD BIOCHEMISTRY LABORATORY.

M/s. Nord Tech

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

M/s. Nord Tech

Without limiting the generality of the foregoing, [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/s. Nord Tech

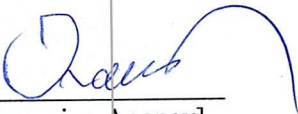
[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/s. Nord Tech

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

M/s. Nord Tech

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.


[Procuring Agency]


[Supplier /Contractor/Consultant]

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC(FED)/NED/Equip/F.Biochem Lab/02/8172 Dated: 22-12-2022
Contract Value: Rs. 192,000/-
Contract Title: PROCUREMENT OF EQUIPMENT FOR FOOD BIOCHEMISTRY LABORATORY.

M/s. Diagnostic Systems

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

M/s. Diagnostic Systems

Without limiting the generality of the foregoing, [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/s. Diagnostic Systems

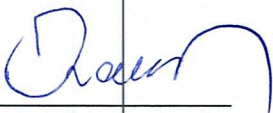
[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

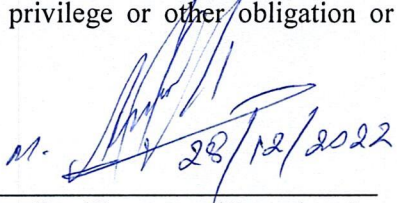
M/s. Diagnostic Systems

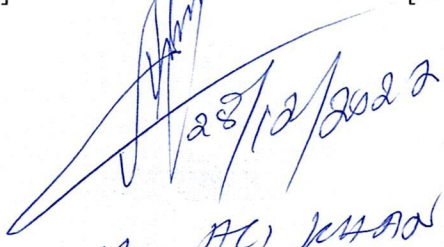
[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

M/s. Diagnostic Systems

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.


[Procuring Agency]


[Supplier /Contractor/Consultant]


M. ACI KHAN

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC(FED)/NED/Equip/F.Biochem Lab/02/8172 Dated: 22-12-2022
Contract Value: Rs. 4,894,871/-
Contract Title: PROCUREMENT OF EQUIPMENT FOR FOOD BIOCHEMISTRY LABORATORY.

M/s. Marium & Co.

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

M/s. Marium & Co.

Without limiting the generality of the foregoing, [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/s. Marium & Co.

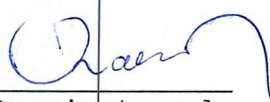
[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.


M/s. Marium & Co.

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

M/s. Marium & Co.

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s. Marium & Co. [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.


[Procuring Agency]


[Supplier /Contractor/Consultant]

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC(FED)/NED/Equip/F.Biochem Lab/02/8172 Dated: 22-12-2022
Contract Value: Rs. 833,746/-
Contract Title: PROCUREMENT OF EQUIPMENT FOR FOOD BIOCHEMISTRY LABORATORY.

M/s. Lab. Care

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

M/s. Lab. Care

Without limiting the generality of the foregoing, [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/s. Lab. Care

[Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/s. Lab. Care

[Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

M/s. Lab. Care

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.



[Procuring Agency]



[Supplier /Contractor/Consultant]

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS.

Contract Number: PC(FED)/NED/Equip/F.Biochem Lab/02/8172 Dated: 22-12-2022
Contract Value: Rs. 3,899,920/-
Contract Title: PROCUREMENT OF EQUIPMENT FOR FOOD BIOCHEMISTRY LABORATORY.

M/s. Mughal Traders

[Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

M/s. Mughal Traders

Without limiting the generality of the foregoing, [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

M/s. Mughal Traders

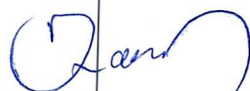
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M/s. Mughal Traders

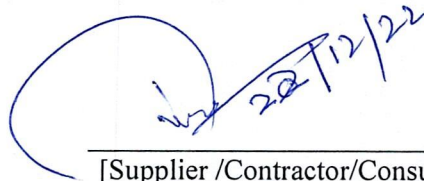
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M/s. Mughal Traders

Notwithstanding any rights and remedies exercised by PA in this regard, [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.



[Procuring Agency]



[Supplier /Contractor/Consultant]