



GOVERNMENT OF SINDH
LIVESTOCK AND FISHERIES DEPARTMENT
Karachi dated 06.03.2014

NOTIFICATION

NO.SO(G)/L&F/TC/SPPRA/2014: The Notification issued vide this Department's of even number dated 11.01.2012, regarding constitution of two Purchase Committees & two Technical Committee is hereby withdrawn.

The following Procurement committee of Livestock and Fisheries Department hereby re-constituted for procurement of Medicines/ Vaccines/ Feed/ Machinery & Equipments/ Transport/ Furniture etc in Livestock & Fisheries Department in accordance with the SPPRA Rule 07 & 08 of 2010 and terms of reference (ToR):

PROCUREMENT COMMITTEE

- | | |
|---|-------------------|
| i. Additional Secretary (Tech) Livestock & Fisheries | Chairman |
| ii. Director General Concerned | Member |
| iii. Director/Deputy Director Concerned | Member |
| iv. Representation of A.G Sindh
(i.e District Accounts Officer, Concerned) | Member (External) |
| v. Representation of Wild Life & Forest Department
(i.e DFO/FO) | Member (External) |

FUNCTIONS AND RESPONSIBILITIES OF PROCUREMENT COMMITTEE(S) - Procurement committee(s) shall be responsible for:

- 1) Preparing bidding documents.
- 2) Carrying out technical as well as financial evaluation of the bids.
- 3) Preparing evaluation report as provided in Rule 45.
- 4) Making recommendations for the award of contract to the competent authority; and
- 5) Perform any other function ancillary and incidental to the above.

ZAFAR IQBAL

SECRETARY LIVESTOCK & FISHERIES


NO.SO (G)/L&F/SPPRA/2014/

Karachi, dated 06.03.2014

Copy forwarded for information to:

1. The Accountant General, Sindh, Karachi.
2. The Secretary, Wild Life and Forest Deptt: Govt.of Sindh, Karachi.
3. The Director General, Livestock, Sindh, Hyderabad.

4. The Director General, Livestock (Research/Ext) Sindh, Hyderabad.
5. The Director General, Fisheries, Sindh, Karachi.
6. The Director (A&F) Sindh Public Procurement Regulatory,
Authority, Govt.of Sindh, Karachi.
7. The Directors (All in Sindh)
8. The Section Officer, Livestock & Fisheries Deptt: Govt.of Sindh, Karachi.
9. The Deputy Director, Livestock/ Animal Husbandry/ Livestock
Production/Poultry Production/Fisheries (All in Sindh)
10. The District Accounts Officer, Concerned
11. PS to Secretary, Livestock & Fisheries Deptt: Govt.of Sindh, Karachi.

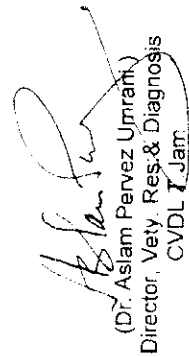

(MUHAMMAD ANWAR MALIK)
SECTION OFFICER (GENERAL)



**DIRECTORATE OF VETERINARY RESEARCH AND DIAGNOSIS
CENTRAL VETERINARY DIAGNOSTIC LABORATORY SINDH
TANDO JAM TELEPHONE # 0222765279 FAX # 0222766964.**

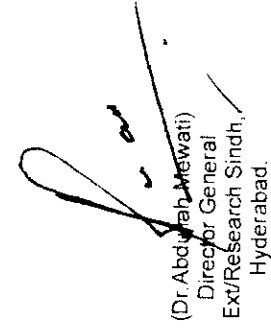
BID EVALUATION REPORT.

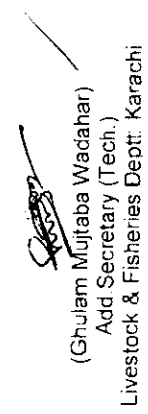
1.	Name of procuring Agency.	Director, Veterinary Research & Diagnosis, Central Veterinary Diagnostic Laboratory Sindh, Tando Jam.
2.	Tender Reference No.	No:CVDL/AC/ Tender/ 2013-14(II)
3.	Tender description Name of work/item.	Purchase of Office and Laboratory Machinery and Equipment.
4.	Method of procurement.	One stage two envelop.
5.	Tender Published.	The News, Sukaar, Express, Kawish from 12-01-2014 to 14-01-2014 and Sindh Govt. website.
6.	Total bid documents Sold.	09 Nos.
7.	Total bids received.	06 Nos.
8.	Technical Bid opening date.	07-02-2014.
9.	No. of technically qualified (if applicable)	6 Nos.
10.	Bid(s) Rejected.	Nil
11.	Financial Bid Opening dated	21-03-2014
12.	Bid evaluation Report.	Comparative Statement & Minutes of Procurement Committee Attached Annexure-A & B.

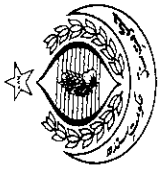

(Dr. Aslam Pervez Umrami)
Director, Vety. Res. & Diagnosis
CVDL T. Jam.


(Muhammad Azam)
Sr. Auditor
Distt. Account Office Hyderabad.


(A. A. Shaikh)
Dist. Forest Officer
Hyderabad.


(Dr. Abdulrahman Mewati)
Director General
Ext/Research Sindh,
Hyderabad.


(Chulam Mujtaba Wadahar)
Add. Secretary (Tech.)
Livestock & Fisheries Deptt. Karachi



**GOVERNMENT OF SINDH
LIVESTOCK & FISHERIES DEPARTMENT
VETERINARY RESEARCH & DIAGNOSIS,
Central Veterinary Diagnostic Laboratory,
TANDO JAM, (SINDH) ☎ (+) 022/2765279**



COMPARATIVE STATEMENT

FOR PURCHASE OF

**OFFICE AND LABORATORY MACHINERY & EQUIPMENT
FOR THE FINANCIAL YEAR 2013-2014.**

**DIRECTORATE OF VETERINARY RESEARCH & DIAGNOSIS,
CVDL SINDH, TANDO JAM.**



COMPARATIVE STATEMENT OF TENDER FOR PURCHASE OF OFFICE AND LABORATORY MACHINERY & EQUIPMENT FOR THE DIRECTORATE OF VETERINARY RESEARCH & DIAGNOSIS, CVDL TANDO JAM DURING THE FINANCIAL YEAR 2013-2014.



1	<p>Photo State Machine. Speed at least 22 & 35 CPM; Digital Soter(s), Laser printing built-in, Paper supply at least 2 trays @ 500 sheets (by pass tray)., Copy memory Min. 256MB/32MB page Memory., Resolution Min.600x600dpi., Paper Tray size at least A-6_ A-3 other., Zoom Min. 25%-400%., ADF (Automatic Documents Feeder)., Scanning (Black & White)., Photocopier Machine Trolley., Service Agreement (03) years. Warranty/ Guaranty of at least one year with replacement of defective parts Panasonic, Canon, Kyocera</p>		
---	--	--	--


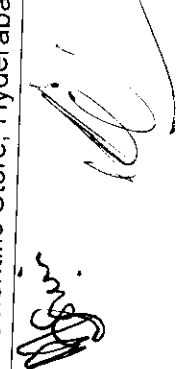
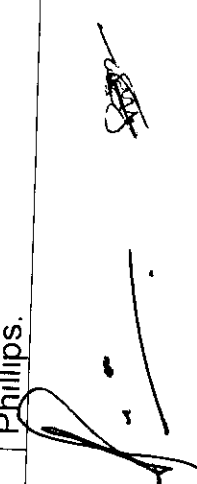
Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
1	M/S Al-Beruni Scientific Store, Hyderabad	Canon Model # 2420, 20ppm image RUNNER 2420	Qualified	Rs.350,000/- each

2	<p>FAX Machine. Print method: Laser/Monochrome laser. Print Speed: 14-18ppm. Print Resolution: 600x600dpi. Memory copy speed:10-12cpm. Copy resolution: 600x600dpi. Modium speed: up to 33.6kbps. Fax Resolution: 200x400dpi. Memory capacity: up to 500pages. Paper handling: ADF capacity 20-30sheets80g or less. Display: LCD,2-5lines. Interface: High speed USB2.0. Power requirement: AC220-240V. Telephone hand set: Corded, TEL/FAX/TAD switching, Redial caller ID. Warranty:1-years. Panasonic, Canon or exact equivalent.</p>		
---	---	--	--

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
1	M/S Al-Beruni Scientific Store, Hyderabad	Panasonic KX-FP 711	Qualified	Rs.29,900/- each

3	<p>UV light wall mounting (30-40 watt, 220-230V, Intensity 15u w/ cm2, wall mounting, with tube & starter Philips or exact equivalent.</p>		
---	---	--	--

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
1	M/S Al-Beruni Scientific Store, Hyderabad	Phillips.	Qualified	Rs.9,700/- each

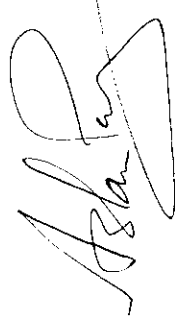






Laminar Flow Cabinet, Table top Horizontal Laminar Air flow workstation. 6ft (1.8m) External dimension: 74x32x46 (1880 x813 x1168) WxDxH (mm), Internal dimension: 70 1/4 x 20x22 3/3 (1797x508x568) WxDxH (mm). One dimensional air flow, constant velocity of 90fpm. Hepex Zero Leak Airflow system, Florescent lighting, protective grill, glass disposable prefilter Germicidal UV light, Vinyl curtain- front closure for UV light, stainless steel work surface and side walls; 3years warranty. **Accessories:** 6ft wide 29.5" sitting height base stand with leg levelers. NuAire, Esco, USA, UK, Germany or exact equivalent.

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
1	M/S Al-Beruni Scientific Store, Hyderabad	Laminar Flow Cabinet size 6 feet x 2 feet approx. horizontal bench top model with digital LED Display electronic blower monitor and a blower speed controller fitted with Hepa Filter with a typical efficiency of 99.999% at 0.3µm single piece moulded- in-place gasket prevents leaks typical with conventional gaskets, washable polyurethane pre filter extends life of main Hepa Filter, Scratch proof chemically resistant 304 grade stainless steel work surface non reflective white coated back wall, transparent UV-Tempered glass side walls with built in fluorescent light and two universal electrical sockets outlets, with service fixture for Gas/Vacuum/ Compressed air, air volume 1253cmh and Laminar airflow velocity 0.3 m/s, noise level 67dba, light intensity 800lux main body electro galvanized steel with white oven baked epoxy powder coated finish, External Dimension (WxDxH) 1830x650x920mm interior dimension (WxDxH) 1730 x 490 x 575 mm complete unit operated on 220 volts, Model SHC-6A1, ESCO Streamline Singapore	Qualified	Rs.923,130/- each
2.	M/S Roghay Sons, Karachi	Laminar Air Flow Cabinet. Model CLB-201-04, Dimension Exterior W/mm 1340, Interior W/mm 1219, D/mm 617, H/mm 565, Vertical Laminar Flow Cabinet Color Gray, Control panel LCD digital display panel. Material External SPCC/ AL with epoxy power coated. Interior (worktop) Stainless steel 304, Support stand Carbon steel pipes for ordinary piping, Performance Avg.downflow velocity (m/s) 0.3-0.4 (variable set speed), Filter efficiency HEPA filter >99.995% at 0.3µm/ ISO class 5. The clean air filtered through the HEPA filter forms the vertical airflow from the ceiling to the bottom area, and maintains the work space as positive pressure (+) with class 100 cleanliness Mfr. CHC/ab, Korea.	Not qualified lower dimension and vertical Laminar.	Rs.850,786/- each
3.	M/S World Wide Scientific Karachi	HORIZONTAL LAMINAR AIRFLOW CABINET CAT # BBS-H 1 300, MODEL: BBS-H1300 , The laminar flow clean bench is a work bench or similar enclosure which has its own filtered air supply. It provides product protection by ensuring that the work in the bench is exposed only to HEPA-filtered air. Laminar flow clean benches are widely used in medical research laboratories, hospitals, manufacturing facilities and other research and production environments. ADVANTAGE: 1. Used HEPA Filters.Performance:99.995% @ 0.3µm. 2. LCD Display. 3. Air speed adjustable. 4. Motor controlled front sash. TECHNICAL SPECIFICATIONS: Display: LED Digital Display. HEPA: HEPA filter with efficiency of 99.997% at 0.3 micro. Pre-Filter: Disposable, non-washable Polyester fiber. Dust: <3.5 Granule / L for >0.5 µm. Noise Level: <60db. Airflow Velocity: 0.3-0.5 m/s. Vibration Level: <5 µm. Fluorescent Lamp: 28W*1 UV Lamp: 30 W*1. Light: 28W*1. Front Window: Tempered glass, no less than 5mm. Side Panel: Tempered glass, no less than 5 mm. Worktable Material: Stainless steel. Power Supply: 220V, 50Hz. External Dimensions (WxDxH) 1300* 825*2000 Internal Dimensions (WxDxH) 1200*500*570 Overall Size: 1300mm*750mm*2000mm (W*D*H). Main Body Construction: Adopting Cold-roll steel Plate with corrosion-proof coating. Base Stand Material: Adopting Cold-roll steel Plate with corrosion-proof coating Stand Accuracy: Water and Gas Tap, UV, Light, Base Stand, and 3 year warranty. M/S BIOBASE	No qualified country not mentioned & dimension lower than required.	Rs.740,000/- each

Aslam
W. S. Karachi
W. S. Karachi
W. S. Karachi

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
4.	M/S YJW Trading Corporation, Hyderabad	<p>Model No. LN-120 NUVE/Turkey. HEPA Filter 99.999 % efficiency for particles $\geq 0.3\mu\text{m}$ (H14 Class according to EN 1822), Pre-Filter 85 % efficiency for particles $\geq 0.5\mu\text{m}$ (G4 Class according to EN 779). Particle Count Better than US Fed Std 209D Class 10 and VDI 2083 Class 3. Cabinet: Epoxy-polyester painted cold rolled steel sheet 2 mm. Work table AISI 304 Stainless Steel. Airflow speed control Microprocessor control system with digital display and automatic speed compensation for rising filter resistance. Blower Highly efficient centrifugal type with lifetime lubricated bearings. Light High intensity, low wattage $\geq 800\text{lux}$. Noise level $\leq 58\text{dBA}$. Standard Accessories Elapsed hour counter, 2pcs. mains power socket (2.5A). Power Supply 230 V, 50 Hz. Power Consumption 760W. Internal Dimensions (WxDxH) mm 1190x630x630. External Dimensions (WxDxH) mm 1450x860x1470. Net / Packed Weight, kg. 185/227.</p> <p>Horizontal Laminar Airflow Cabinet, Model: NU-201-630, NUAIRE INC., USA. Standard Size. Cabinet Width (ft): 6, Filter Height (inch): 30 Internal Dimensions (WxDxH) mm 1797x508x721. External Dimensions (WxDxH) mm 1880x 813 x1321. Standard Features: HEPEX Zero-Leak Airflow System Clear Lucite Hood Textured White Baked Urethane Finish 99.99% Efficiency HEPA Filters (on 0.3 micron particles) Front Maintenance Fluorescent Lighting, Protective Filter Grill. Fiberglass Disposable Pre-filter Instrument Panel MiniHelic Gauge (0-2" w.g.) or (0-50mm w.g.) Specifications: 1. Horizontal Flow Table Clean Bench must employ the HEPEX, Absolute Air Filter System. 2. The HEPEX pressure plenum shall be disposable and fabricated of flameproof, antibacterial materials accepted by recognized authoritative agencies, such as the New York City Board of Standards and Appeals (Calendar No. 207-64-SM), California State Fire Marshall (FI-222), U.S. Coast Guard, U.S. Dept. of Commerce, and other regulatory authorities. 3. The HEPEX System shall be 99.99% efficient on removal of all aerosol particulate contaminants 0.3 microns and larger and shall meet or exceed the requirements of Federal Standard 209b for Class 100 air quality. 4. The Horizontal Flow Clean Bench shall contain fluorescent lamps hidden from direct operator view that will provide a lighting intensity of 200 foot candles on the work surface. 5. The Horizontal Flow Clean Bench shall contain an Instrument Panel providing: a. On/Off Switch for Motor/Blower. b. On/Off Switch for Fluorescent Lights. c. Speed Control for Blower (recessed to prevent tampering). 6. The Horizontal Flow Clean Bench shall be transportable through a 34-inch wide standard door and shall be completely serviceable from the front of the unit. 7. Cabinet finish shall be textured, baked white enamel for easy cleaning; work surface shall be white, high impact melamine plastic (or stainless steel as purchasable option). 8. The Horizontal Flow Clean Bench shall be so designed that field maintenance can be accomplished by replacement of a module incorporated with quick-disconnects. 9. Cabinet work zone shall be enclosed with Plexiglass hood. Electrical Requirements. 220VAC, 50/60 Hz.</p> <p>Warranty: 3 Years from the date of supply.</p>	Not qualified dimension are lower than required.	Rs.995,000/- each
5.	M/S Scientific Technical Corporation (Pvt) Ltd, Lahore.		Qualified	Rs.1,760,000/- GST 299,200/- 2,059,200/- each

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
6.	M/S ScienTech, Karachi.	<p>Airstream Horizontal Laminar Flow Clean Bench: 6 ft. Model AHC-6D1 Make: ESCO Nominal size 1.8 meters (6') External Dimension (WxDxH) with base stand 711mm (28") type 1950x804x1886mm 76.8"x31.6"x 74.2" Internal Work Area, Dimensions (WxDxH) 1795x632x575mm, 70.7" x 24.9" x 22.6", Internal work area, space 1.13m² (12.16 sq.ft), Average Airflow Velocity 0.45 m/s (90fpm) at initial setpoint, Air Volume 1667 m³/h (981cfm), ULPA Filter Typical Efficiency >99.999% at particle size between 0.1 to 0.3µm, Sound Emission per IEST-RP-CC002.2 60 dBA, Fluorescent Lamp Intensity at Zero Ambient 1510 Lux (140 foot candles), Cabinet construction Main Body 1.2mm (0.05") 18 gauge electro-galvanized steel with white oven-baked epoxy-polyester power-coated finish. Work Zone: 1.2mm (0.05") 18 gauge stainless steel, grade 304, with 4B finish. Side Walls UV absorbing tempered glass, 5mm (0.2"), colorless and transparent, Net weight 198kg (436lbs), Shipping weight 267.3kg (589lbs). Shipping Dimensions, Maximum (WxDxH) 2040x820x1610mm, 80.3" x 32.3" x 63.4", shipping volume, Maximum 2.69m³ (95.0cu.ft.), 3 years warranty</p>	Qualified	Rs.894,650/- each

5	<p>ELISA plate washer. with accessories strip/ plate washer, semi automatic, wash/ aspirate 96 wells simultaneously in <5 seconds, wash head 8- 12 needles, compatible for wash heads 1x8/1x12, wash time 1- 20 cycles , Volume dispensing range 25 – 3000µl / well, reservoir bottle buffer/ waste 2 liter each. Accessories: wash head 8/12, tubing, 2 liter reservoir wash/ waste bottle. Aerosol cover built in pump/ fluid delivery system, Operators manual Bio Tech from UK, USA, Germany or exact equivalent.</p>
---	---

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
1.	M/S Roghay Sons, Karachi	<p>ELISA Microplate Washer Model ELX-50. Wash Cycles: 1-10, Volume Range 25 to 3000µl per well. Fluid Delivery: Internal positive displacement syringe pump, Dispense Precision: <2.5%CV typical (16-channel), <2% CV typical (8-12-channel) Residual Volume: <0.5µl/well (16-channel), <1µl/well (8-12-channel). Syringe drive fluid delivery system for precise control over all fluid flow rates. Wash single strips or full plates. 96-well microplates. Unique priming trough built into removable microplate carrier for effortless priming and easy maintenance. Automatic buffer switching. Create, edit, delete and copy tp to 75 programs from the keypad. Link up to 10 programs to run the most complex routines. Multi-user friendly; total programming control for complex research applications, yet easy to use for routine clinical work. Programmable shaking duration and intensity. Built-in maintenance programs. Bottom washing and crosswise aspiration protocols. Small footprint with integrated dispense and waste pumps. Aerosol cover for safety. Mfr. Biotek, USA.</p>	Qualified	Rs.887,786/- each

Ashraf

M/S Roghay Sons

[Signature]

Firm Sr. #	Name of firm	Technical Specification.	Remarks	Rate
2.	M/S YJW Trading Corporation, Hyderabad	<p>Model # IW96, SFR/IFrance. Plate Type: 96-well plate with U-, V-, flat-bottom. Manifolds: 8-channel or 12-channel. Liquid Dispensing: Volume 50 - 450µl in 5µl increments Precision < 5% at 3000µl. Washing, Soaking & Shaking: N° of wash cycles 1-9. Wash modes Row or plate. Residual volume < 2µl for U- and V-bottom plates. < 3µl for flat-bottom plates. Aspiration strength Simple or double Soaking & shaking time 0 - 99 seconds. Liquid Containers: 4 bottles vol. 3.5 L, 2 washing solutions, 1 distilled water, 1 waste with volume sensor probe Quality Control: 2 QC files. Memory Storage: 40 user-programmable wash protocols. 9 wash cycles; 2 wash buffers. 8 different plate types can be programmed. Display: LCD Touch screen. Mono-color display. Language: English. Operating Environment: Temperature 10°C - 40°C. Humidity ≤ 80%. Power Requirements: A.C. 110/220 V ± 10%; 50-60 Hz Dimensions: 410(W) x 230(H) x 410(D) mm. Weight: 7.5 kg</p> <p>Auto plate Washer Model: ELx50 BIOTEK INSTRUMENTS INC., USA. BioTek's recognized leadership in full plate microplate washers extends to the ELx50 TM Auto Strip Washer. The ELx50's compact footprint contains a powerhouse of washing capabilities unsurpassed in its class. The washer's excellent dispense accuracy and evacuation efficiency supports 96- and 384-well strip or plate washing. Comprehensive and easy-to-use onboard software provides the utmost flexibility for a variety of applications. Features: • Syringe drive fluid-delivery system for precise control over multiple fluid flow rates • Patented Dual-Action TM manifold washes both 96- and 384-well plates precisely (16-channel model) • Unique priming trough built into removable microplate carrier for effortless priming and easy maintenance • Automatic buffer switching for up to three buffers (V models). Applications: • ELISA • Cell-based assays Specifications: Microplate Types: Flat-bottom 96-well plates, all 384-well plates and 1 x 8 flat-bottom strips (16-channel) All 96-well plates, 1 x 8 strips (8-channel) All 96-well plates, 1 x 12 strips (12-channel) Processing Speed: < 250 seconds for 3 cycles, 100 µl/well, 384-well (16-channel) < 130 seconds for 3 cycles, 300 µl/well, 96-well (16-channel). Wash Cycles: 1-10 Volume Range: 25 to 3000µl per well. Fluid Delivery: Internal positive displacement syringe pump. Buffer Selection: Valve module (optional) - up to 3 buffers. Dispense Precision: < 2.5% CV typical (16-channel). < 2% CV typical (8-, 12-channel) Residual Volume: < 0.5 µl/well (16-channel) < 1 µl/well (8-, 12-channel) Soak Time: 1 to 600 seconds Shaking: User-programmable speeds and timing Manifold: 16-channel patented Dual-Action, with separate dispense/aspiration (16-channel) 8-channel aspiration/ dispense (8-channel) 12-channel aspiration/dispense (12-channel) Sterilization: Chemical Power: 240 VAC, 50 Hz Onboard Software: 75 programs Program Linking Overflow wash/overflow protection 5 maintenance programs Dimensions: 16" D x 14" W x 6-6"H (40.6 cm x 35.6 cm x 16.5 cm) Warranty: 1 Year from the date of supply.</p>	<p>Not qualified:</p> <ul style="list-style-type: none"> • Minimum/Maximum dispensing volume range not matched as desired. • Maximum Wash Cycle lower than desired. 	Rs.710,000/- each
3.	M/S Scientific Technical Corporation (Pvt) Ltd, Lahore.		Qualified	Rs.690,000/- GST 117,300 Tot: 807,300/- Each

(Dr. Aslam Pervez Umram)
Director, Vety. Res. & Diagnosis
CVDL I, Jam

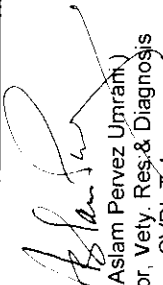
(Muhammad Azam)
Sr. Auditor
Distt: Account Office Hyderabad.

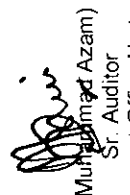
(A. Maulah Shaikh)
Distt. Forest Officer
Hyderabad.

(Dr. Abdul Wahid Mewati)
Director General
Ext/Research Sindh,
Hyderabad.

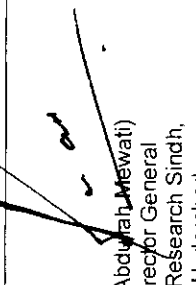
(Ghulam Mujtaba Wadahaar)
Add Secretary (Tech.)
Livestock & Fisheries Deptt. Karachi

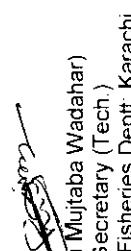
Firm Sr. #	Name of firm	Technical Specification	Remarks	Rate
2.	M/S YJW Trading Corporation, Hyderabad	<p>Model # IW96, SFR/IFrance. Plate Type: 96-well plate with U-, V-, flat-bottom. Manifold: 8-channel or 12-channel: Liquid Dispensing: Volume 50 - 450µl in 5µl increments Precision < 5% at 3000µl. Washing, Soaking & Shaking: N° of wash cycles 1-9. Wash modes Row or plate. Residual volume < 2µl for U- and V-bottom plates. < 3µl for flat-bottom plates. Aspiration strength Simple or double Soaking & shaking time 0 - 99 seconds. Liquid Containers: 4 bottles vol: 3.5 L, 2 washing solutions, 1 distilled water, 1 waste with volume sensor probe Quality Control: 2 QC files. Memory Storage: 40 user-programmable wash protocols. 9 wash cycles; 2 wash buffers. 8 different plate types can be programmed. Display: LCD Touch screen. Mono-color display. Language: English. Operating Environment: Temperature 10°C - 40°C. Humidity ≤ 80%. Power Requirements: A.C. 110/220 V ±10%; 50-60 Hz Dimensions: 410(W) x 230(H) x 410(D) mm. Weight: 7.5 kg</p>	<p>Not qualified:</p> <ul style="list-style-type: none"> • Minimum/Maximum dispensing volume range not matched as desired. • Maximum Wash Cycle lower than desired. 	Rs.710,000/- each
3.	M/S Scientific Corporation (Pvt) Ltd, Lahore.	<p>Auto plate Washer Model: ELX50 BIOTEK INSTRUMENTS INC., USA. BioTek's recognized leadership in full plate microplate washers extends to the ELX50TM Auto Strip Washer. The ELX50's compact footprint contains a powerhouse of washing capabilities unsurpassed in its class. The washer's excellent dispense accuracy and evacuation efficiency supports 96- and 384-well strip or plate washing. Comprehensive and easy-to-use onboard software provides the utmost flexibility for a variety of applications. Features: • Syringe drive fluid-delivery system for precise control over multiple fluid flow rates • Patented Dual-Action TM manifold washes both 96- and 384-well plates precisely (16-channel model) • Unique priming trough built into removable micro plate carrier for effortless priming and easy maintenance • Automatic buffer switching for up to three buffers (V models). Applications: • ELISA • Cell-based assays Specifications: Microplate Types: Flat-bottom 96-well plates, all 384-well plates and 1 x 8 flat-bottom strips (16-channel) All 96-well plates, 1 x 8 strips (8-channel) All 96-well plates, 1 x 12 strips (12-channel) Processing Speed: < 250 seconds for 3 cycles, 100 µl/well, 384-well (16-channel) < 130 seconds for 3 cycles, 300 µl/well, 96-well (16-channel). Wash Cycles: 1-10 Volume Range: 25 to 3000µl per well. Fluid Delivery: Internal positive displacement syringe pump. Buffer Selection: Valve module (optional) - up to 3 buffers. Dispense Precision: < 2.5% CV typical (16-channel). < 2% CV typical (8-,12-channel) Residual Volume: < 0.5 µl/well (16-channel) < 1 µl/well (8-,12-channel) Soak Time: 1 to 600 seconds Shaking: User-programmable speeds and timing Manifold: 16-channel patented Dual-Action, with separate dispense/ aspiration (16-channel) 8-channel aspiration/ dispense (8-channel) 12-channel aspiration/dispense (12-channel) Sterilization: Chemical Power: 240 VAC, 50 Hz Onboard Software: 75 programs Program Linking Overflow wash/overflow protection 5 maintenance programs Dimensions: 16" D x 14" W x 6-5"H (40.6 cm x 35.6 cm x 16.5 cm) Warranty: 1 Year from the date of supply.</p>	<p>Qualified</p>	Rs.690,000/- GST.117,300/- Tot: 807,300/- Each


 (Dr. Aslam Pervez Umrani)
 Director, Vety. Res. & Diagnosis
 CVDL T. Jam


 (Muhammad Azam)
 Sr. Auditor
 Distt: Account Office Hyderabad.

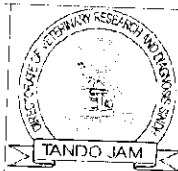

 (Asadullah Shaikh)
 Distt. Forest Officer
 Hyderabad.


 (Dr. Abdurrahman Mewati)
 Director General
 Ext/Research Sindh,
 Hyderabad.


 (Ghulam Mujtaba Wadahaar)
 Add. Secretary (Tech.)
 Livestock & Fisheries Deptt: Karachi



MINUTES OF PROCUREMENT COMMITTEE MEETING HELD ON 28-03-2014 @ 10.30AM IN THE DIRECTORATE GENERAL, LIVESTOCK (EXTENSION/RESEARCH) SINDH, HYDERABAD FOR "PURCHASE OF OFFICE AND LABORATORY MACHINERY EQUIPMENT" FOR THE DIRECTORATE OF VETERINARY RESEARCH & DIAGNOSIS CVDL TANDO JAM DURING THE FINANCIAL YEAR 2013-2014.



List of participants attached

The meeting started with the name of Allah the almighty. The Chairman Procurement Committee welcomed the participants of the meeting and opened the discussion on agenda items.

Director, Veterinary Research & Diagnosis, CVDL Sindh Tando Jam briefed the forum that tender were called through news papers for the "**Purchase of Office and Laboratory Machinery & Equipment**" for the Directorate of Veterinary Research & Diagnosis, CVDL Sindh, Tando Jam during the current financial year 2013-14.

Tender advertisement appeared in daily **The News, Sukaar, Express, Kawish** from 12-01-2014 to 14-01-2014 and Sindh Govt. website. Nine firms purchased tender documents, six firms responded. The technical proposal (sealed tenders) were opened on 07-02-2014 @ 15.30pm before five (05) interested bidders/ authorized representatives in the Directorate of Veterinary Research & Diagnosis, CVDL Sindh, Tando Jam by the previous Technical/Standardization Committee Chaired by Director General, Livestock (Extension/Research) Sindh, Hyderabad. The financial proposal (sealed tenders) were opened 21-03-2014 @ 10.00am before four (04) bidders/authorized representatives in the Directorate General, Livestock (Extension/Research) Sindh, Hyderabad by the new Procurement Committee Chaired by the Additional Secretary (Tech.), Livestock and Fisheries Department, Karachi.

In the light of decision of Procurement Committee and justification provided by the Director, Veterinary Research & Diagnosis, CVDL Sindh Tando Jam. The Procurement Committee decided that:

- Procurement Committee allowed the purchase of all the approved items according to the availability of funds under development scheme ADP # 895.

(Handwritten signatures of five individuals)

- Procurement Committee approved the lowest rates and procurement of the items from the participating bidder/companies having specification in agreement with tender specification.
- The items having price higher than the estimated price given in PC-I allowed to be purchased from lowest bidder at tender price; subject to the availability of funds.
- If any tax imposed by the government after the completion of tender price, then this increase in tax is allowed to be include in the quoted price of items, which were previously exempted.

Purchase of Office and Laboratory Machinery & Equipment.

- 1 **Photo State Machine.** Speed at least 22 & 35 CPM. Digital Soter(s), Laser printing built-in, Paper supply at least 2 trays @ 500 sheets (by pass tray), Copy memory Min. 256MB/32MB page Memory., Resolution Min.600x600dpi., Paper Tray size at least A-6 A-3 other., Zoom Min. 25%-400%, ADF (Automatic Documents Feeder), Scanning (Black & White), Photocopier Machine Trolley., Service Agreement (03) years. Warranty/ Guaranty of at least one year with replacement of defective parts Panasonic, Canon, Kyocera.

Procurement Committee approved the technical specification and rate of M/S Al-Beruni Scientific Store, Hyderabad for the item as under:

Technical Specification.	Rate
Canon Model # 2420, 20ppm image RUNNER 2420	Rs 350,000/- each

- 2 **FAX Machine.** Print method: Laser/Monochrome laser. Print Speed: 14-18ppm. Print Resolution: 600x600dpi. Memory copy speed: 10-12cpm. Copy resolution: 600x600dpi. Modium speed: up to 33.6kbps. Fax Resolution: 200x400dpi. Memory capacity: up to 500pages. Paper handling: ADF capacity 20-30sheets80g or less. Display: LCD,2-5lines. Interface: High speed USB2.0. Power requirement: AC220-240V. Telephone hand set: Corded, TEL/FAX/TAD switching, Redial caller ID. Warranty: 1-years. Panasonic, Canon or exact equivalent.

Procurement Committee approved the technical specification and rate of M/S Al-Beruni Scientific Store, Hyderabad for the item as under:

Technical Specification.	Rate
Panasonic KX-FP 711	Rs 29,900/- each

- 3 **UV light wall mounting** (30-40 watt, 220-230V, Intensity 15u w/ cm2, wall mounting, with tube & starter Phillips or exact equivalent.

Procurement Committee approved the technical specification and rate of M/S Al-Beruni Scientific Store, Hyderabad for the item as under:

Technical Specification.	Rate
Phillips.	Rs.9,700/- each

Ashtar

Al-Beruni

P. u.

Al-Beruni

- 4 **Laminar Flow Cabinet** Table top Horizontal Laminar Air flow workstation. 6ft (1.8m) External dimension: 74x32x46 (1880 x813 x1168) WxDxH (mm), Internal dimension: 70¾ x 20x22 3/3 (1797x508x568) WxDxH (mm). One dimensional air flow, constant velocity of 90fpm. Hepex Zero Leak Airflow system, Florescent lighting, protective grill, glass disposable prefilter Germicidal UV light, Vinyl curtain- front closure for UV light, stainless steel work surface and side walls; 3years warranty. **Accessories:** 6ft wide 29.5" sitting height base stand with leg levelers. NuAire, Esco, USA, UK, Germany or exact equivalent.

Purchase Committee approved the technical specification and rate of M/S ScienTech, Karachi for the item as under:

Technical Specification.	Rate
<p>Airstream Horizontal Laminar Flow Clean Bench:6 ft. Model AHC-6D1 Make: ESCO Nominal size 1.8 meters (6') <u>External Dimension (WxDxH) with base stand 711mm (28")type 1950x804x1886mm 76.8"x31.6"x 74.2"</u>, <u>Internal Work Area, Dimensions (WxDxH) 1795x632x575mm, 70.7" x 24.9" x 22.6"</u>. Internal work area. space 1.13m² (12.16 sq. ft). Average Airflow Velocity 0.45 m/s (90fpm) at initial setpoint, Air Volume 1667 m³/h (981cfm), ULPA Filter Typical Efficiency >99.999% at particle size between 0.1 to 0.3µm. Sound Emission per IEST-RP-CC002.2 60 dBA. Fluorescent Lamp Intensity at Zero Ambient 1510 Lux (140 foot candles). Cabinet construction Main Body 1.2mm (0.05") 18guage electro-galvanized steel with white oven- baked epoxy-polyester power-coated finish Work Zone:1.2mm (0.05") 18 guage stainless steel, grade 304, with 4B finish Side Walls UV absorbing tempered glass, 5mm (0.2"). colorless and transparent. Net weight 198kg (436lbs). Shipping weight 267.3kg (589lbs). Shipping Dimensions, Maximum (WxDxH) 2040x820x610mm. 80.3" x 32.3" x 63.4". shipping volume. Maximum 2.69m³ (95.0cu.ft.). 3 years warranty</p>	<p>Rs.894,650/- each</p>

Asghar Farooq

Reza

[Signature]

5

ELISA plate washer. with accessories strip/ plate washer, semi automatic, wash/ aspirate 96 wells simultaneously in <5 seconds, wash head 8- 12 needles, compatible for wash heads 1x8/1x12, wash time 1- 20 cycles , Volume dispensing range 25 – 3000µl / well, reservoir bottle buffer/ waste 2 liter each. Accessories: wash head 8/12, tubing, 2 liter reservoir wash/ waste bottle. Aerosol cover built in pump/ fluid delivery system, Operators manual Bio Tech from UK, USA, Germany or exact equivalent.

Procurement Committee approved the technical specification and rate of M/S Scientific Technical Corporation (Pvt) Ltd , Lahore for the item as under:

Technical Specification.

Rate

Auto plate Washer Model: ELx50 BIOTEK INSTRUMENTS INC., USA. BioTek's recognized leadership in full plate microplate washers extends to the ELx50TM Auto Strip Washer. The ELx50's compact footprint contains a powerhouse of washing capabilities unsurpassed in its class. The washer's excellent dispense accuracy and evacuation efficiency supports 96- and 384-well strip or plate washing. Comprehensive and easy-to-use onboard software provides the utmost flexibility for a variety of applications. **Features:** • Syringe drive fluid-delivery system for precise control over multiple fluid flow rates • Patented Dual-Action™ manifold washes both 96- and 384-well plates precisely (16-channel model) • Unique priming trough built into removable micro plate carrier for effortless priming and easy maintenance • Automatic buffer switching for up to three buffers (V models). **Applications:** • ELISA • Cell-based assays **Specifications:** Microplate Types: Flat-bottom 96-well plates, all 384-well plates and 1 x 8 flat-bottom strips (16-channel) All 96-well plates, 1 x 8 strips (8-channel) All 96-well plates, 1 x 12 strips (12-channel) Processing Speed: < 250 seconds for 3 cycles, 100 µl/well, 384-well (16-channel) < 130 seconds for 3 cycles, 300 µl/well, 96-well (16-channel) **Wash Cycles: 1-10 Volume Range: 25 to 3000µl per well.** Fluid Delivery: Internal positive displacement syringe pump. Buffer Selection: Valve module (optional) - up to 3 buffers. Dispense Precision: < 2.5% CV typical (16-channel), < 2% CV typical (8-,12-channel) Residual Volume: < 0.5 µl/well (16-channel) < 1 µl/well (8-,12-channel) Soak Time: 1 to 600 seconds Shaking: User-programmable speeds and timing Manifold: 16-channel patented Dual-Action, with separate dispense/ aspiration (16-channel) 8-channel aspiration/ dispense (8-channel) 12-channel aspiration/dispense (12-channel) Sterilization: Chemical Power: 240 VAC, 50 Hz Onboard Software: 75 programs Program Linking Overflow wash/overflow protection 5 maintenance programs Dimensions: 16" D x 14" W x 6.5"H (40.6 cm x 35.6 cm x 16.5 cm) **Warranty: 1 Year from the date of supply.**

Rs.690,000/-
GST 117,300
Tot: 807,300/-
Each

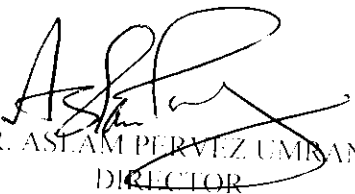
It was further decided in the meeting:

1. At the time of installation of equipment it will be suppliers' responsibility to make equipment functional.
2. The firm will provide at least one year warranty of service, repair and spare parts against the equipment.


Handwritten signatures of several individuals, including a large signature on the left and several smaller ones to the right.


3. All the firms will pay sales tax as per government rule from the approved cost.
4. All the firms will have to pay income tax and all other usual taxes (admissible as per policy/ rules) before delivery (with own expenses) of the goods.
5. The payment shall be made to the firms against the supply of item and receiving committee of CVDL be ensuring that the items are according to the specification.
6. All the firms will be responsible to deliver the goods within thirty (30) days after issuance of the work order failing which their supply orders will be treated as cancelled and same will be placed to 2nd lowest bidder (subject to qualifying technical specification).


Meeting ended with vote of thanks.



(DR. ASLAM PERVEZ UMRAN)
DIRECTOR

VETERINARY RESEARCH & DIAGNOSIS
CENTRAL VETERINARY DIAGNOSTIC
LABORATORY SINDH, TANDO JAM.






(ATIQULLAH SHAIKH)
DIVISIONAL FOREST OFFICER
HYDERABAD


(MUHAMMAD AZAM)
SENIOR AUDITOR
OFFICE OF THE DISTRICT ACCOUNTS OFFICE
HYDERABAD.


(DR. ABDULRAH MEWATI)
DIRECTOR GENERAL
LIVESTOCK (EXTENSION/RESEARCH)
SINDH, HYDERABAD


(GHULAM MUJTABA WADAHAR)
ADDITIONAL SECRETARY (TECH.)
LIVESTOCK & FISHERIES DEPARTMENT
GOVERNMENT OF SINDH KARACHI

LIST OF OFFICERS PARTICIPATED IN THE PROCUREMENT COMMITTEE MEETING HELD ON 28-03-2014 @ 10.30AM IN THE DIRECTORATE GENERAL, LIVESTOCK (EXTENSION/RESEARCH) SINDH BEHIND SHAHBAZ BUILDING, HYDERABAD FOR "PURCHASE OF OFFICE AND LABORATORY MACHINERY & EQUIPMENT" FOR THE DIRECTORATE OF VETERINARY RESEARCH & DIAGNOSIS CVDL TANDO JAM DURING THE FINANCIAL YEAR 2013-2014.

1.	Mr. Ghulam Mujtaba Wadahar, Additional Secretary (Tech.), Livestock and Fisheries Department, Government of Sindh, Karachi.	On chair. 
2.	Dr. Abdullah Mewati, Director General, Livestock (Extension/Research) Sindh, Hyderabad	
3.	Mr. Attaullah Shaikh, Divisional Forest Officer, Forest Department, Hyderabad.	
4.	Mr. Muhammad Azam, Senior Auditor, Office of the District Accounts Office, Hyderabad.	
5.	Dr. Aslam Pervez Umrani, Director, Veterinary Research & Diagnosis, CVDL Sindh, Tando Jam.	