



## Bid Evaluation Report

1. Name of Procuring Agency: U.S-Pakistan Center for Advanced Studies in Water,  
Mehran University of Engineering & Technology, Jamshoro
2. Tender Reference No: PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3. Tender Description/Name of work/item: PROCUREMENT OF LABORATORY  
EQUIPMENT FOR HYDRAULICS LABORATORY
4. Method of Procurement: Domestic/ Local
5. Tender Published: MUET Web Site on 09-Feb-2017 and on SPPRA Website 09-Feb-2017  
SPPRA Sr. No. 31566 "Dawn News" on 10-Feb-2017 "Jung" on  
09-Feb-2017 & "Daily Ibrat" on 09-Feb-2017
6. Total Bid documents Sold; 05 Nos.
7. Total Bids Received: 05 Nos.
8. Technical Bid Opening date: (if applicable) 02-Mar-2017
9. No. of Bid technically qualified (if applicable): 05 Nos.
10. Bid(s) Rejected 01.
11. Financial Bid Opening date: 05-Apr-2017
12. Bid Evaluation Report:

<i>S No</i>	<i>Name of Firm or Bidder</i>	<i>Cost offered by the Bidder</i>	<i>Ranking in terms of cost</i>	<i>Comparison with Estimated cost</i>	<i>Reasons for acceptance / rejection</i>	<i>Remarks</i>
0	1	2	3	4	5	6
1	M/s Paktech Instruments Company, Karachi	<b>ITEM WISE COMPARATIVE STATEMENT ATTACHED</b>				
2	M/s East West Infiniti, Islamabad					
3	M/s Rastek Technologies, Karachi					
4	M/s Rizvi & Company, Karachi					

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurement,  
University of Sindh

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro



**SUBJECT: MINUTES OF TECHNICAL COMMITTEE FOR OPENING OF TECHNICAL PROPOSALS FOR PROCUREMENT OF LABORATORY EQUIPMENT FOR HYDRAULICS LABORATORY AT USPCAS-W, MUET, JAMSHORO, OPENED ON 02-MAR-2017 AT 11:30 AM IN THE OFFICE OF THE PROJECT DIRECTOR, USPCAS-W, MUET, JAMSHORO.**

**EVALUATION REPORT OF TECHNICAL PROPOSAL SUBMITTED FOR THE BID**

In order to evaluate the Technical Proposal for the above mentioned work the Committee comprising following members were constituted.

1. Dr. A.Latif Qureshi  
Professor,  
USPCAS-W
2. Dr. Kamran Ansari  
Professor,  
USPCAS-W
3. Dr. Ashfaqe Ahmed Memon  
Professor Civil Engineering Department,  
MUET, Jamshoro
4. Dr. Mashooque Ali Talpur  
Associate Professor,  
Sindh Agriculture University, Tando Jam
5. Mr. Munir Ahmed Memon  
Soil Scientist,  
USPCAS-W

Accordingly, the meeting of the committee was convened on 31-03-2017. Procurement Manager, briefed the rest of the Committee members that five (05) firms purchased the bidding documents and submitted their bids on closing date & time i.e. on 02-03-2017 upto 11:00 AM as mentioned in the NIT issued in 03 daily newspapers (English, Urdu & Sindhi). The list of the firms who purchased the bidding documents is as under:

S.No.	Name of Firm	Remarks
1.	M/s Paktech Instruments Company, Karachi	Submitted
2.	M/s East West Infiniti, Islamabad	Submitted
3.	M/s Rastek Technologies, Karachi	Submitted
4.	M/s Rizvi & Company, Karachi	Submitted
5.	M/s Technology Links (Pvt) Ltd., Karachi	Submitted

He, further briefed that all five (05) bidders submitted their proposals as desired as per procedure adopted for the bidding on Single Stage-Two Envelope Procedure as per Rule 46(2) of SPP Rules-2010 (Amended 2013).

Partnering Universities:



Later on, the Technical Proposals of the bidders were thoroughly checked & verified by the technical committee and the items mentioned in the proposals were recommended, which are attached as flag – 'A'.

In the light of recommendations of the Committee, all the five (05) venders were qualified on technical grounds. The Committee further recommended that Financial Proposal of all the technically qualified bidders shall be opened as per the guidelines provided in the SPP Rules-2010 (Amended 2013).

  
Procurement Manager  
USPCAS-W  
MUET, Jamshoro








U.S.-Pakistan Center of Advanced Studies in Water (USPCAS-W)  
Mehran University of Engineering & Technology (MUET), Jamshoro

Attendance Sheet of the Suppliers for Opening of the Technical Proposals of "Laboratory Equipment of Hydraulics Laboratory" at USPCAS-W, MUET, Jamshoro  
Dated: 02-Mar-2017

S #	Name of Vendor/ Company/ Contractor	Name of Company Representative	Signature	Remarks
1	M/s Paktech Instruments Comapny, Karachi	Baloch Hussain		-
2	M/s East West Infiniti, Islamabad	Zawar Khan		-
3	M/s Rastek Technologies, Karachi	Agha Haidee		-
4	M/s Rizvi & Company, Karachi	AKHTAR MIAN AMBASSI		-
5	M/s Technology Links (Pvt) Ltd., Karachi	Aley Raza		-

  
Mr. Abdul Ghafoor Kandhir,  
Procurement Manager,  
USPCAS-W,  
MUET, Jamshoro

  
Engr. Muhammad Mashooque Siddiqui  
Director Procurements  
University of Sindh

  
Prof. Dr. B. K. Lashari  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Technical Comparative Statement for Procurement of Laboratory Equipment of Hydraulic Laboratory of USPCAS-W, MUET, Jamshoro

As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-01	Basic Self Contained Flume - 10 Meter length (All Accessories)	1	M/S Rizvi & Co Karachi	GUNT- HM 162 Experimental Flume 309x450mm <b>Specification:</b> [1] basic principles of open-channel flow, [2] experimental flume with experimental section, inlet and outlet element and closed water circuit, [3] length of the experimental section 5m, up to 12.5m possible with additional extension elements HM 162.10, [4] smoothly adjustable inclination of the experimental section, [5] experimental section with 20 evenly spaced threaded holes on the bottom for installing models or for water level measurement using pressure, [6] side walls of the experimental section are made of tempered glass for excellent observation of the experiments, [7] experimental section with guide rails for the optionally available instrument carrier HM 162.59, [8] all surfaces in contact with water are made of corrosion-resistant materials, [9] flow-optimised inlet element for low-turbulence entry into the experimental section, [10] closed water circuit with 2 water tanks, pump and flow control, [11] models from all fields of hydraulic engineering available as accessories <b>Technical Data</b> Experimental section: - possible lengths: 5m-7.5m-10m-12.5m, - flow cross-section WxH: 309x450mm, - inclination adjustment: -0.5...+2.5% 2 tank, - made of GRP - 1100L each Pump, - power consumption: 4kW, - max. flow rate: 132m <sup>3</sup> /h, - max. head: 16,1m, - speed: 1450min-1 Flow rate measuring range: 5,4...130m <sup>3</sup> /h	Germany	1	Basic Self Controlled Flume offered by all the vendors are as per required specifications. However, M/S Paktech has offered computer controlled flow channel with SCADA, hence the Technical Committee has recommended
			M/S Paktech Instruments Company, Karachi	CFG300/10 Computer Controlled Flow Channel (Section: 300x450mm) length: 10m with SCADA The channel is assembled on supports, with a motorized (electric motor) system to control the inclination of the channel, computer controlled. Control Interface Box, Data Acquisition Board with Data Management Software, Storage tanks. (Number of tanks in function of the Channel version). Capacity of each tank: 400 l. approx. Impulsion pump, with variable speed, computer controlled. (Power of the pump in function of the Channel version). Inlet tank, with drain valve. Reception tank, Power jacks with drain valve. Flow control valves. Pipes. Flow measurement system. Pressure sensors. Pitot tube and manometer board. Level gauge for measurement of the water height (hook and point gauges) <b>Available Accessories:</b> CFGCVDG Broad and thin crested weirs, -CFGCSDL Siphon Spillway, -CFGCPVP Dam spillway Ogee weir, -CFGVD Plate Weir, -CFGCVEN Venturi flume, -CFGVCV Crum weir, -CFGCCO Random Wave Generator, -CFGCSDS Air regulated syphon, -CFG001 Lift and drage model	Spain	1	
			M/S Technology Links(PVT) LTD, Karachi	Basic Self Contained Flume - 10 Meter (No Electric) Model :- S6-MKII-10M <b>Optional Accessories for Main Item:</b> Powered Jacks for Flumes	UK	1	
				Data Logging & Instrumentation Package Model :- S6-MKII-DTA-ALITE Armfield	UK	1	

 3









As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
				Sediment Loop for any of the above Flumes Model :- S6-MKII-SL Armfield	UK	1	
				Plate Weirs, screw operated adjustable undershot weir ► Rectangular overshot weir plate ► 'V' notch weir Model :- S6-20 Armfield	UK	1	
				Broad Crested Weirs - (GRP) rectangular sharp cornered weir ► rectangular streamlined weir Model :- S6-21 Armfield	UK	1	
				Venturi Flume - (GRP) A set of GRP mouldings for installation in the channel section to form a venturi flume. Model :- S6-22 Armfield	UK	1	
				Ogee Weir and Manometer Board - (GRP) Eight pressure tappings (2 upstream, 5 downstream, 1 at apex) , complete with multi-tube piezometer board. Model :- S6-23, Armfield	UK	1	
				Dam Spillway Model- Complete with the following interchangeable downstream sections: ► spillway toe ► roller bucket toe ► apron with removeable energy dissipator Model :- S6-24, Armfield	UK	1	
				Siphon Spillway Model :- S6-25, Armfield	UK	1	
				Syphon Spillway Self-regulating Syphon - (Acrylic) Model :- S6-26, Armfield	UK	1	
				Roughened Beds - (GRP) Two sections of different roughness. Each consists of three modules arranged to cover a 2.5m length. Model :- S6-27, Armfield	UK	1	
				Vibrating Pile For the study of vortex shedding by piles and tall structures. Model :- S6-28, Armfield	UK	1	
				Pitot Tube and Manometer - (GRP) Complete with traversing carriage and vernier height adjustment, and an inverted paraffin water manometer for magnification of small pressure differences. Model :- S6-30, Armfield	UK	1	
				Crump Weirs Model :- S6-31, Armfield	UK	1	

*DM*

*DM*

*[Signature]*

*[Signature]*

*[Signature]*

As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
				Parshall Flume - (GRP) One of the most widely used standing wave flumes; allows comparison of headflow characteristics with those published in the literature. Model :- S6-32, Armfield	UK	1	
				Trapezoidal Flume One of the most widely used standing wave flumes; allows comparison of headflow characteristics with those published in the literature. Model :- S6-33, Armfield	UK	1	
				Lift and Drag Balance and Models Model :- S6-29, Armfield	UK	1	
				Wave Generator Model :- S6-35-A, Armfield	UK	1	
				Beach Model :- S6-36, Armfield	UK	1	
				Zagni Flow Monitoring System Consists of a free standing manometer board and instrument carriage fitted with Pitot tube & interconnecting tubing. This system should be used to establish the basic parameters of fluid flow in the channel including, invert slope, surface profiles, pressure profiles and velocity profiles. Model :- S6-37, Armfield	UK	1	
				Instrument Carrier Model :- S6-40, Armfield	UK	1	
				Velocity Meter and Mounting Velocity probe and analogue meter, complete with mounting attachments to channel. Range 0.6. to 3m/sec. Model :- S6-42, Armfield	UK	1	
				150mm Scale Vernier Hook and Point Gauge Model :- H1-1, Armfield	UK	1	
				300mm Scale Vernier Hook and Point Gauge Model :- H1-2, Armfield	UK	1	
				450mm Scale Vernier Hook and Point Gauge Model :- H1-3, Armfield	UK	1	
				Random c/w Software & Associated Hardware (Excluding Computer)	UK	1	
				Advanced Enviromental Hydrology System c/w instrumentation	UK	1	
				<b>Optional Accessories</b>	UK	1	
				Surface Models for use with S12-MkII			
				2m Mobile Bed/Flow Visualisation Tank (inc Models)	UK	1	

DND 1/3

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature: M. Sultan Katif]*

As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-02	AA Current Meter	3	M/S Rizvi & Co Karachi	AA Current Meter -95000 Current Meter USGS Type A, - 95002 Wading Rod USGS 4" Top Setting, -95005 Current Meter Headset Readout, -95011 Rod Adapter for 95006, -95012 Rod Mount for 95006	USA	3	The specifications offered by M/S Rizvi & Co, set with the required specifications, they are also supplying extra accessories which are not mentioned in the tendered document, with Model # 6200 USGS. Whereas M/S Rastek Technologies did not give clear specifications hence it is not recommended. the Technical Committee recommends to purchase from M/s Rizvi & Co. along with the extra accessories.
			M/S Rastek Technologies, Karachi	AA Current Meter Operating Range: Feet per Second 0.2-2.5, -Accuracy 2% Minimum Depth Required: Cable Suspended 18 Inch, -Rod Suspended 8 Inch Dimensions: Bucket Open end Diameter 2.0 Inch, -Bucket Wheel Diameter 5 Inch	USA	3	
HL-03	Pygmy Meter	4	M/S Rizvi & Co Karachi	Pygmy Meter -95001 Current Meter USGS PYGMY, -95004 Wading Rod 1.2 Meter Top Setting	USA	4	The specifications offered by M/S Rizvi and Co., are matched with required specifications, with model # 6205 mini current meter. Hence the Technical Committee recommends it to be purchased from M/S Rizvi & Co.
			M/S Rastek Technologies, Karachi	Pygmy Meter Operating Range: Feet per Second 0.05-3.0, Accuracy 2% Minimum Depth Required: -Cable Suspended Not Applicable, -Rod Suspended 3 Inch Dimensions: Bucket Open end Diameter 0.78 Inch, -Bucket Wheel Diameter 2 Inch	USA	4	
HL-04	Depth integrating suspended hand line sampler	2	M/S Rizvi & Co Karachi	Depth integrating suspended hand line sampler 77950 Sediment Sampler DH48 W/Bottle, -77951 Extension Rod for 77950, -77952 Bottles REPL for 77950	USA	2	The specifications offered by M/S Rizvi and Co., are matched with required specifications. Hence technical committee recommended that it may be purchased. Note quoted by single vendor.
HL-05	Handheld Bedload Sampler	3	M/S Rizvi & Co Karachi	Handheld Bedload Sampler -77528 Sampler Helley Smith Hand Held, -77530 Bag for 77528, 250 Micron	USA	3	The specifications offered by both vendors for this item are matched to set specifications. But after technical evaluation committee recommends the item quoted by M/S Rizvi & Co.
			M/S Rastek Technologies, Karachi	Handheld Bedload Sampler Model no.BLS-30 M/s. Hydrological BEDLOAD SAMPLER CABLE SUSPENDED, MODEL BLS30 For Use in Natural Streams, Carrying Coarse Sediments, Robust Stainless Construction, Easy to Use & Tail Assembly Stabiliser.	USA	3	
HL-06	Bedload Sampler	2	M/S Rizvi & Co Karachi	Bedload Sampler -404-018 Helley-Smith, Sampler, 8035, -Cable Suspended 65lb, -404-026 Bag, Sediment, Style 1, 250, -3.22 Exp. Ratio 3 in. Orifice	USA	2	The specifications offered by M/s Rizvi & Co., offer set specifications as enquired in the tender document, where as M/S Rastek Technologies did not offer set specifications. Hence the technical committee recommend this item for purchased from M/s Rizvi & Co.
		2	M/S Rastek Technologies, Karachi	Bedload Sampler Model no.BLS-48 M/s. Hydrological SPECIFICATION: Model BLS 48 48 Kgs (106 lb), Orifice Size: 76mm x 76mm (3"x 3") 1.4 Expansion Bag: Polyester Monofilament, 0.2 mm Mesh	USA	2	
HL-07	Water Level Sensors/ Digital Depth Sounder	2	M/S Rizvi & Co Karachi	Water Level Sensors/ Digital Depth Sounder -90596 Water Level Meter 101B. 30 M	USA	2	The specifications offered by both vendors did not match with enquired specifications. Hence the committee recommends to re-invite this item.
			M/S Rastek Technologies, Karachi	Water Level Sensors Accurate water level measurements, Obtain measurements in seconds, Avoid cross-contamination, No equipment to clean, Works in cased steel or PVC-capped wells, partially cased rock wells, crooked wells, and wells with pipes, wiring, and operating pumps	USA	2	

AND 1/3

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*



As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-08	Weather Station - Research Grade	1	M/S Rizvi & Co Karachi	Weather Station - Research Grade	UK	1	M/S Rizvi & Co., and M/S East West Infiniti offer required specifications for this item. Hence the technical committee recommends it to be purchased from the lowest quoted bidder.
				WS-GP1-CA1 CROSS ARM + GP1 + SENSORS, -ASSY. Delta-T Devices Ltd. U.K.		1	
				GPRS modem with Solar power		1	
				GPRS-DLC-BX1/SP GPRS MODEM GATEWAY BOX, SOLAR POWER AND SIM		1	
				LBC4 BATTERY CHARGER FOR LBAT4		1	
			LBAT4 RECHARGEABLE BATTERY LBAT4	1			
M/S East West Infiniti PVT LTD ISB	LSI Lastem Research Grade Weather Station	Italy	1				
	-ELO105 data logger 12 inputs, 12 Vdc power supply, memory 8 Mb, 2 RS232 ports. It includes RS232 cable, USB adapter, 3DOM PC program, -DNA202 wind speed sensor, cable L = 3 m, -DNA212 the wind direction sensor, cable L = 3 m, -DMA672.1 temperature and relative humidity sensor, cable L = 3 m, -DYA233 anti-radiation screen to DMA672.1 -DPA053 Pyranometer class 2 (ISO9060), cable L = 5 m, DYA034 Fixing arm pyranometer to DYA046 bar, -DQA240.1 Barometer, -DQA130.1 rain gauge, -DWA510 Cable for rain gauge L = 10 m, -DYA039 Base for rain gauge ground fixing, -DYA046 Bar "T" for fixing DNA202 sensors, DNA212, DMA672.1 top pole diameter 45-65 mm						
	<b>Optional Accessories</b> Solar Power Supply, Datalogger Enclosure, tiltable mast and Accessories		1				
HL-09	Soil water content Reflectometer Sensors	30	M/S Rizvi & Co Karachi	94302 Meter pH Soil Moisture	USA	30	The Specifications offered by Rizvi & Co., match with set specifications. Hence technical committee recommends it to be purchased. Note: It is quoted by single vendor
	Dataloggers	4		94304 Conditioning Film Repl. 12 pk 76775 Turf-Tec Soil Moisture Sensor	USA	4	
HL-10	Digital Depth Sounder	4	M/S Rizvi & Co Karachi	90100 Depth Sounder Digital Hondex	USA	4	The Specifications offered for this item by both vendors match with required specifications. Hence the technical committee recommends it to be purchased by the lowest quoted bidder.
			M/S Rastek Technologies, Karachi	Digital Depth Sounder Model no. 14155865 M/s. RAYMARINE Display Type: Segmented monochrome LCD, -Digit Size: 1 1/8"H (28mm), -Width: 5 1/16", -Height: 2 7/8", -Depth: 1 1/16", -Instrument Functions: Depth (0-400'). -Depth Transducer: Included, -Data Interface: SeaTalk, -Voltage: 12V (10-16V DC), -Draw: 25-35mA Typ.; 100mA max., -Waterproof Rating: IPX6	USA	4	
HL-11	Water Flow Probe	5	M/S Rizvi & Co Karachi	94307 Flow Probe W/Extendable Handle Additional Handling	USA	5	This item is quoted by three vendors. Two vendors offer set specifications i.e: M/S East West Infiniti and
			M/S Rastek Technologies, Karachi	Water Flow Probe Model no. FP-111 M/s: XYLEM FEATURES: Digital display in ft/sec or m/sec, -Records 30 data sets for later analysis, -Rain-proof digital computer, -Highly accurate easy flow monitoring, -Debris shedding turbo-prop, -Lightweight, rugged, and reliable, -Telescoping handle with staff gauge, -Padded carrying case for easy storage, -CE Certified Used by water professionals worldwide since 1990	USA	5	M/S Rastek Technologies, whereas M/S Rizvi & Co., did not offer required specifications. Hence technical committee suggested to purchase from M/S East West Infiniti and M/S Rastek Technologies. However the committee also recommended to purchase 02 Qty of the item quoted by M/s Rastek and 03 Qty of quoted item from M/S East West Infiniti.
			M/S East West Infiniti PVT LTD ISB	BB1100- Global Water FP 211 Flow Probe • Digital display in ft/sec or m/sec, • Records 30 data sets for later analysis, • Rain-proof digital computer, • Highly accurate easy flow monitoring, • Debris shedding turbo-prop • Lightweight, rugged, and reliable, • Telescoping handle with staff gauge, • Padded carrying case for easy storage, • CE Certified, • Used by water professionals worldwide since 1990, • Ideal for measuring flows in streams, rivers, canals, storm water, wastewater, inflow and infiltration studies, and industrial process waters	USA	5	
HL-12	Plant Canopy Analyser/Imager	1	M/S Rizvi & Co Karachi	CID MODEL CI-110 PLANT CANOPY ANALYSER / IMAGER. CID BIO-SCIENCE INC., U.S.A. Plant Canopy Analyser/ Imager: Interface = USB, Arm Length 48cm, Camera 6.5 x 5.75cm, Touch Screen Tablet Computer, Wi-Fi Compatible, Fish Eye Lens Angle: 150 Degree Measuring time: 1 sec, Tablet PC is Wi-Fi Compatible, GPS Tags for each measurement, Digital Masking of unwanted objects, Images saved in multiple formats, Complete workable system configuration, with necessary software, manuals etc. Supplied in Deluxe Carrying Case	USA	1	The set specifications offered by M/S Rizvi & Co. The technical committee recommended for procurement. Note: It is quoted by single vendor.

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-13	WATER LEVEL LOGGERS	20	M/S Rizvi & Co Karachi	90800 Level Logger Edge 3001 LTC M100 90732 Cable Assembly 100 Direct Read 90759 Well Cap Assembly 4" locking 90769 Screen 3001 Biofoul	USA	20	Both the Vendors M/S East West Infiniti and M/S Rizvi & Co. offer set specifications. The Technical Committee recommends M/S East West Infiniti after technical evaluation.
			M/S East West Infiniti PVT LTD ISB	WL16U Global Water WL16 Water Level Logger • Global Water WL16 Water Level Loggers, • Submersible pressure transducer and USB datalogger combination., • Four sample modes: 10 times per second, timed, logarithmic, and exception, • CE Certified, • User friendly software included, • USB communication, • No need to remove sensor for data collection or battery change, • Highly accurate water level measurements, • User programmable start and stop alarms, engineering units, and field calibration setup, • Unique 0-3 ft range for shallow water, • Wet-wet transducer eliminates vent tube concerns, • Automatic barometric pressure and temperature compensation, • Standard sensor comes 25' cable additional length maybe ordered at US\$ 2.60/ft additional cost.	USA	20	
HL-14	Acoustic Doppler Velocimeter (ADV)	2	M/S Rizvi & Co Karachi	FT2-HH Sontek Flow Tracker-2 System FlowTracker2 Handheld Display unit. The Handheld Display unit has an IP67 waterproof rating and includes a color LCD display, keypad interface, SmartQC quality control feature, 16GB internal memory, Bluetooth communications, internal GPS, USB interface and cable, removable battery cartridge plus spare cartridge, 8 AA alkaline batteries, and multi-language support. Windows based software for communications, recorder downloading, data processing and data export. Includes shipping case and manual (PDF) <b>FT2-2D FlowTracker2 probe assembly</b> consisting of a 2D side-looking 10 MHz ADV probe (10-cm distance to sampling volume) and signal conditioning/processing electronics with tilt sensor and Auto-velocity Range selection, mounted on a 1.5-m cable with a compact 8-pin male wet-pluggable connector <b>36-0039-001 1.5-m FlowTracker2 ADV sensor</b> extension cable, compact 8-pin male to compact 8-pin female wet-pluggable FT2-MR SonTek deluxe 2-piece top-setting wading rod, 1.2-m, metric increments in centimeters; includes bubble level, mounting brackets for FlowTracker2 Handheld Display unit and ADV sensor, and plastic shipping case for both rod and FlowTracker2 <b>RECHG-AA-16 Rechargeable NiMH AA batteries, quantity of (16)</b> <b>10-0696 Battery charger, 16 position, for AA NiMH batteries</b> <b>20-0183-03 Insulated Chest Waders with Non-Slip Boots. Size: USA Men's size 11</b>	USA	2	Both vendors have quoted the equipment by same manufacturer with same specifications and model. Hence Committee recommends to purchase from the lowest bidder.
			M/S East West Infiniti PVT LTD ISB	Acoustic Doppler Velocimeter (ADV) 2 Flow Tracker-2 System 2 FT2-HH- FlowTracker2 Handheld Display unit. The Handheld Display unit has an IP67 waterproof rating and includes a color LCD display, keypad interface, SmartQC quality control feature, 16GB internal memory, Bluetooth communications, internal GPS, USB interface and cable, removable battery cartridge plus spare cartridge, 8 AA alkaline batteries, and multi-language support. Windows based software for communications, recorder downloading, data processing and data export. Includes shipping case and manual (PDF). <b>FT2-2D FlowTracker2 probe assembly</b> consisting of a 2D side-looking 10 MHz ADV probe (10-cm distance to sampling volume) and signal conditioning/processing electronics with tilt sensor and Auto-velocity Range selection, mounted on a 1.5-m cable with a compact 8-pin male wet-pluggable connector <b>36-0039-001-1.5-m FlowTracker2 ADV sensor</b> extension cable, compact 8-pin male to compact 8-pin female wet-pluggable FT2-MR-SonTek deluxe 2-piece top-setting wading rod, 1.2-m, metric increments in centimeters; includes bubble level, mounting brackets for FlowTracker2 Handheld Display unit and ADV sensor, and plastic shipping case for both rod and FlowTracker2 <b>RECHG-AA-16-Rechargeable NiMH AA batteries</b> <b>10-0696-Battery charger, 16 position, for AA NiMH batteries</b> <b>20-0183-03-Insulated Chest Waders with Non-Slip Boots. Size: USA Men's size 11</b>	USA	2	

AMR 3

Amir

M. Jahan

Katir

As Per Tender			As Per Vendors				Remarks	
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty		
HL-15	Electromagnetic Soil conductivity meter	2	M/S Rizvi & Co Karachi	M/S Rizvi & Co Karachi	MSRSYS5 MSR5 Landsat FiveBand, ICT International Pty Ltd. Australia Radiometer (LANDSAT Thematic Mapper filter set, 1st five bands) Wavebands: 450520, 520600, 630690, 760900, & 15501750nm, -MSRMB MSR Pole Mounting Bracket, -DLC64 DLC Model 2000 (64K, 5,461 data points), -INMH1.2 Internal 9.6 Volt NiMH (1.2 Ahr), -DLCPS12 12 Volt Power Supply/Charger, -DLCUM DLC User's Manual & Technical Reference (on CD), -MSRPOLE MSR Telescoping Support Pole, -MSRSLA MSR Spirit Level Attachment, -MSRCP MSR Calibration Platform (45 degrees), -DLCSP Custom Shoulder Pack for DLC, -MSRSWIN MSR Software for DLC & PC (on CD) - Window Version, -MC2256 256K Memory Card w/MSR Operations Program, -MSR87C9 MSRtoDLC Cable (9 feet), -MSRCA MSRtoDLC Cable Adapter, -MSRUM MSR User's Manual (on CD), -CT100 RS232 Hand Terminal, -CT9M9M5 CT100 to DLC RS232 Cable, -CT100B CT100 Data Attachment Device.	USA	2	The Specifications offered by M/S Paktech Instruments matched with set specifications, while M/S Rizvi & Co., did not offer set specifications. Hence technical committee recommend M/S Paktech Instruments.
				M/S Paktech Instruments Company, Karachi	EM38-MK2 Ground Conductivity meter (simultaneous recording of conductivity and magnetic susceptibility from two Rx coil 1.0 and 0.5m separations)	Canada	2	
				Optional Accessories:	Extender Arm for Ground level surveying including data logging.		1	
				Geode External GPS/Glonassreceiver attachment for Archer2 field computer (sub-meter accuracy: connectivity via Bluetooth, 9-pin serial port w/included serial port w/ included serial data cable.		1		
				RTmap38MK2 data logging & real time mapping system for Archer2 with GPS.		1		
				Surfer 14 Contouring, gridding, 3D surface Mapping Software.		1		
TrackMaker 38MK2 data logging and survey path visualization software for Archer2 with GPS		1						
HL-16	Multispectral Radiometer	2	M/S Rizvi & Co, Karachi	92531 Light Meter	Australia	2	The specifications offered by M/S Rizvi & Company do not match with set specifications. Hence technical committee recommends to reinvite the item.	
HL-17	StreamPro ADCP	2	M/S Rizvi & Co, Karachi	SPADCPH-no Tablet PC Teledyne RD Instruments, USA StreamPro minus Windows 8 Compatible Tablet PC - Includes float mounted electronics in composite plastic housing, 4 beam transducer with mounting arm, bottom tracking, Bluetooth USB adapter with 5 dBi dipole antenna, WinRiver II software for data acquisition and playback, DGPS/depth sounder/external Gyro (not included) integration through WinRiver II software, electronic manual on CD, spare parts and tool kit, shipping case SPSxSEXTRG StreamPro Section by Section Pro for WR11 + Extended Range Mode	UK	2	Both vendors offer set specification, but alternate equipment offered by M/S Rizvi & Co., is technically more better and is recommended than that offered by M/S East West Infiniti.	
				Alternate Offer Sontek ADP 1.5-MHz Real-Time "Mini" System Acoustic Doppler Profiler (ADP) system. Includes compass/two-axis tilt sensor, temperature sensor, power supply (24V 110/220 VAC), manual(s) (PDF) on CD, tool kit(s), and shipping case. Windows-based software: Current Monitor (for real-time data); ViewADP (for data post-processing); DeployADP (plan/setup autonomous deployments); SonUtils (utility software for PC/PDA use), -MH-1500 1.5-MHz 3-D Mini-ADP in a 10-cm (4-in) diameter Delrin housing, -EH-ADP-UW1 Real-Time System with an underwater housing (500m max depth) containing the processing electronics -36-0013-020-20-m power and RS232 communications cable, 8-pin male wet pluggable to 9-pin D-sub, -36-0032-003 3-m probe cable, 16-pin male to 16-pin female wet pluggable, 14-conductor, -2507-20001 Add 2 GB recorder and supporting electronics board, -6051-10155 Sensor, strain gage pressure (0.1pct accuracy), 30m, -6056-00003 Bottom-Track firmware package., -Features bottom tracking, RiverSurveyor/CurrentSurveyor software for real-time collection of current profiles and computed discharge measurements, and DGPS interface (using included software and second serial port on customer's host PC).	USA	2		
			M/S East West Infiniti PVT LTD, Islamabad	StreamPro Sontek River Surveyor S5 2 RS-S5-River Surveyor S5. Portable five-beam 3.0 MHz/1.0 MHz acoustic Doppler current profiler/discharge measurement system intended for use from moving boats and other floating platforms in shallow channels. System is provided in a 5-inch (13 cm) diameter Delrin housing and consists of 3.0 MHz velocity measurement transducers in a 4-beam Janus configuration, 1.0 MHz vertical acoustic beam for depth measurement, compass/2-axis tilt sensor, temperature sensor, and 8 GB recorder. Features bottom tracking, internal discharge calculation, River Surveyor Live! Windows software for real-time display of current profiles, water depth and computed discharge measurements, and DGPS interface. System includes a power supply and shipping case. 36-0001-010-10-m power & RS232 serial communications cable, compact 8-pin male wet-pluggable to 9-pin D-sub PCM-BASIC-2.4 GHz Telemetry / External Power Module for remote data collection. Consists of Rover unit in a waterproof enclosure containing a 2.4 GHz radio, (16) AA alkaline batteries, a 1-m cable for connection to S5, M9 or Hydro Surveyor, and a 2.4 GHz USB radio interface for connecting to a customer-supplied computer. 28-0108-SonTek Hydro board II for River Surveyor S5 and M9 systems, 51-in (130-cm) length, 16.4 ft/s (5.0 m/s) maximum velocity. 24-0260-SonTek Hydro board II soft carrying case 10-0697-Rechargeable NiMH AA batteries, package of (16) 10-0696-Battery charger, 16 position, for AA NiMH batteries	USA	2		

QAD 1/3

Don

✓

M. Zubair Katif

As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-18	Onset Recording Rain Gage	3	M/S Rizvi & Co, Karachi	89484 Rain Gauge Data Logging Inches	USA	3	Both vendors have quoted the equipment by the same manufacturer with same model. Technical committee suggest to go with lowest rate offer.
			M/S Rastek Technologies, Karachi	Onset recording rain gage Part no. GG3 M/s. ONSET High quality tipping-bucket rain gauge includes a HOBO Pendant Event data logger. Base station or shuttle is required, Time and date stamp is stored for each tip - provides detail needed to determine rainfall rates and duration, Reliable, field-proven rain gauge, Compatible with HOBOWare and HOBOWare Pro software for logger setup, graphing and analysis and Also records temperature when used with an optional solar radiation shield.	USA	3	
HL-19	Hydroprobe soil moisture neutron probe - for measuring soil water content.	1	M/S Rizvi & Co Karachi	77151 Meter Soil Moisture HD 8" Probe	USA	1	Specifications offered by M/S Rastek Technologies match with set specifications. While specifications offered by M/S Rizvi & Co., are not according to required specifications. Hence it may be purchased from M/S Rastek Technologies.
			M/S Rastek Technologies, Karachi	Hydroprobe soil moisture neutron probe Model no. 503 M/s. Smart The upgrade is specifically designed to provide a variety of new, operator friendly features that bring today's technology to the Hydroprobe. CPN's SMART 503 offers a new 4 x 20 character backlit LCD, longer lasting lithium-ion batteries and the ability to store and download test data via a built-in USB port.	USA	1	
HL-20	Smartroll rugged Multiparameter Handheld system	2	M/S Rizvi & Co Karachi	In-Situ smartROLL Multiparameter Handheld Instrument with 5' Cable. Stock No.77367 Field Case, Maintenance Kit	USA	2	The Specifications offered M/S Rizvi & Co., match with set specifications. Hence committee recommend that it may be purchased from Rizvi & Co. Note it is quoted by single vendor
HL-21	River Surveyor	1	M/S Rizvi & Co Karachi	Sontek RiverSurveyor M9. Portable nine-beam 3.0 MHz/1.0 MHz/0.5 MHz acoustic Doppler profiler/discharge measurement system intended for use from moving boats and other floating platforms in medium depth channels. System is provided in a 5 inch (13 cm) diameter Delrin housing and consists of a dual Janus configuration with four 3.0 MHz and four 1.0 MHz transducers for velocity measurement, one 500 kHz vertical acoustic beam for depth measurement, compass/2-axis tilt sensor, temperature sensor, and 8 GB recorder. Features bottom tracking, internal discharge calculation, RiverSurveyor Live! Windows software for real-time display of current profiles, water depth and computed discharge measurements, and DGPS interface. System also includes a power supply and plastic shipping case.	USA	1	Both vendors have quoted the equipment by the same manufacturer with same model. Hence committee recommend that it may be purchased from the lowest bidder.
				<u>Optional Accessories</u> PCM-BASIC 2.4 GHz Telemetry / External Power Module for remote data collection. Consists of Rover unit in a waterproof enclosure containing a 2.4 GHz radio, (16) AA alkaline batteries, a 1-m cable for connection to S5, M9 or HydroSurveyor, and a 2.4 GHz USB radio interface for connecting to a customer-supplied computer (locally)		1	
				28-0108 SonTek Hydroboard II		1	
				For RiverSurveyor S5 and M9 systems, 51-in (130-cm) length, 16.4 ft/s (5.0 m/s) maximum velocity			
				24-0260 SonTek Hydroboard II soft carrying case		1	
				10-0697 Rechargeable NiMH AA batteries, package of (16)		1	
						1	
			M/S East West Infiniti PVT LTD ISB	Sontek River Surveyor M9 RS-M9River Surveyor M9. Portable nine-beam 3.0 MHz/1.0 MHz/0.5 MHz acoustic Doppler profiler/discharge measurement system intended for use from moving boats and other floating platforms in medium depth channels. System is provided in a 5-inch (13 cm) diameter Delrin housing and consists of a dual Janus configuration with four 3.0 MHz and four 1.0 MHz transducers for velocity measurement, one 500 kHz vertical acoustic beam for depth measurement, compass/2-axis tilt sensor, temperature sensor, and 8 GB recorder. Features bottom tracking, internal discharge calculation, River Surveyor Live! Windows software for real-time display of current profiles, water depth and computed discharge measurements, and DGPS interface. System also includes a power supply and plastic shipping case. PCM-BASIC-2.4 GHz Telemetry / External Power Module for remote data collection. Consists of Rover unit in a waterproof enclosure containing a 2.4 GHz radio, (16) AA alkaline batteries, a 1-m cable for connection to S5, M9 or Hydro Surveyor, and a 2.4 GHz USB radio interface for connecting to a customer-supplied computer. 28-0108- SonTek Hydro board II for River Surveyor S5 and M9 systems, 51-in (130-cm) length, 16.4 ft/s (5.0 m/s) maximum velocity. 24-0260-SonTek Hydro board II soft carrying case. 10-0697-Rechargeable NiMH AA batteries, package of (16). 10-0696-Battery charger, 16 position, for AA NiMH batteries	USA	1	

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-22	Computer Controlled Hydrologic Systems	1	M/S Rizvi & Co Karachi	Hampden H-6545-10-CDLC Rainfall Demonstration with Computer Data Logging and Control	USA	1	M/S Paktech Instruments offer set specifications for this item as enquired in the tendered document. Whereas others two vendors did not meet set specifications. Hence Technical Committee recommends that it may be purchased from M/S Paktech Instruments.
			M/S Paktech Instruments Company, Karachi	ESHG (2x1m) Computer Controlled Hydrologic System, Rain Simulator and Irrigation System Unit (2x1) Metallic structure and panels. Diagrams in the front panel with similar distribution to the elements in the real unit. This unit includes wheels for its mobility and steps for a correct visualization of the practical exercises performed in the test tank. Test tank, made of fiberglass with 4 windows made of polycarbonate, to be filled with sand. It provides a large working surface, dimensions: 2 m. long, 1 m. wide and 0.40 m. deep. 2 Storage tanks of 400 l., that supply the water required to the test tank. These tanks are interconnected with a butterfly valve and overflows and they include a drain device and a filter to stop any possible solid particle. 2 Flexible separate hoses, placed at the test tank front side, allow to add great inlet flows. A tank attached to the inlet of the test tank and other tank attached to the outlet of the test tank to simulate a river. Both tanks include a valve to drain them. The river outlet tank allows to measure the amount of sediment collected over a certain period of time. The communication of the river tanks with the test tank is done through a floodgate that includes two trap doors. The unit includes two hermetic trap doors and two meshed trap doors. Spray and shower nozzles located above the test tank to simulate rain: It has a metallic frame located at the upper side of the test tank. It includes a curtain to reduce possible spillages. 8 Spray nozzles are mounted at a double line mobile bridge to give an even distribution across the test tank. These nozzles are also adjustable in height and width. Each nozzle has an associated ball valve, allowing a wide variety of moving rainfall patterns to be simulated. 2 Shower nozzles with multiple flows allow to simulate storms and local inputs. These nozzles are also adjustable in height and length and can be separated from the holder to move them manually. 2 French sources/drains: they include a metallic filter to avoid sand transport to the storage tanks. 2 Drainages: they include a metallic filter to avoid sand transport to the storage tanks. 2 Overflows: they allow to keep water table (or phreatic surface) constant in the test tank. 3 Outlet tanks (made of PVC glass) for the flow measurement in the drainages and French sources/drains: Each outlet tank includes: 1 spillways and 1 differential pressure sensor that allow to determine the flow removed in the drainages and French sources/drains. They include a valve to drain them.	Spain	1	
			M/S Technology Links (PVT) LTD, Karachi	Advanced Environmental Hydrology System c/w Instrumentation Model :- S12-MkII-50-A (Armfield / UK)	UK	1	
			PC(UBR) & Laser Printer are assential required for operation NB: To be Provided by TL(locally) or To be Provided by customer	Local	1		
				1. A self contained floor standing apparatus for hydrology and fluvial geomorphology demonstrations, comprising: (a) A 2m x 1m stainless steel tank, tiltable using a dual linked jacking system, (b) 8 stainless steel spray nozzles mounted on an adjustable height gantry, (c) A stilled tank providing a formed flow river inlet, (d) Two flowmeters (3 l/min & 5 l/min) to measure and adjust the inlet flows, (e) An outlet tank allowing both water and sediment flow to be measured (f) Two French drains, two well points and 20 manometer tapping points linked to a manometer bank, (g) A large plastic sump tank plus a recirculating pump 2. Experimental capabilities include: (a) Run-off hydrographs from model catchments, (b) Draw-down curves for one well and two well systems, (c) Ground water flow and hydraulic gradients, (d) Model stream flow in alluvial material, (e) Formation and development of river features over time, (f) Sediment transport, bedload motion, scour and erosion <b>REQUIREMENTS &amp; TO BE PROVIDED BY MUET JAMSHORO</b> Clean water supply, Sand - recommended 16/30 mesh swimming pool silica filter grit x 550kg <b>OPTIONAL</b> Surface Models for use with S12-MkII Model :- S12-MODELS (Armfield / UK)	UK	1	

*Signature*


*Signature*


*Signature*

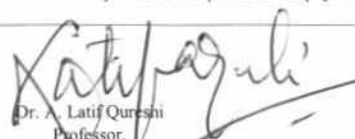
*Signature*


*Signature*


As Per Tender			As Per Vendors				Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	
HL-23	Mobile Bed and Flow Visualization Tank	1	M/S Rizvi & Co Karachi	Hampden H-6524-10 – Mobile Bed and Flow Visualization Trainer	USA	1	Both the Vendors M/S Pakteck and M/S Technology Links offer set specifications. Whereas Rizvi did not offer set specifications. Hence Technical committee recommend that may be purchased from M/s Pakteck Instruments.
			M/S Paktech Instruments Company, Karachi	HVFLM-2 Mobile Bed and Flow Visualization Unit (Working Section: 2000x610 mm) The Mobile Bed and Flow Visualization Unit (HVFLM-2) is mounted on a metallic structure with wheels, rigid and resistance enough to support the weight of water and sand without suffering any deformation. All components in contact with water are of non-corrosive materials. The unit includes a diagram with similar distribution to the elements in the real unit. This unit is divided into three sections: inlet tank, working section (channel) and discharge tank. These sections are assembled through joints in order to get a complete assembly. Stainless steel inlet tank, with adjustable hermetic overshoot. It is supplied with a control at the upper side of the tank which makes it possible to change the slope of such overshoot. The tank includes two perforated distributors and a perforated plate to spread the flow evenly across the width of the tank. Inlet tank dimensions: 530 mm x 710 mm x 530 mm. Flow channel, made of stainless steel, including two main rails along the working section with millimeter rulers (longitudinal crosspiece). An instruments carrier which has a sub-rail (transverse crosspiece) is supported on the rails and allow to put a gauge. Two sand traps can be coupled to both ends of the working section. Dimensions: 2000 mm x 710mm x 350 mm. The working section is 2000mm x 610 mm, and max. water depth is 120 mm, approx. Discharge tank, made of stainless steel, with overflow. It is divided into two parts, the one closer to the channel enables the sedimentation of sand, using a trap, whereas the second part enables the removal of the water which overflows from the first part. Discharge tank dimensions: 850 mm x 710 mm x 530 mm. Instrumentation: An instruments carrier, which can be positioned over any point of the working section. A gauge designed to be mounted on the instruments carrier. It is provided with a stainless steel hook and a point, and a Vernier scale.	Spain	1	
			M/S Technology Links (PVT) LTD, Karachi	2m Mobile Bed/Flow Visualisation Tank (inc Models) Model :- S2-2M-A (Armfield / UK) • A self contained recirculating water tank for flow visualisation and mobile bed studies. • The tank is manufactured from glass reinforced plastic and all components in contact with water are of non-corroding materials. • The working section has minimum dimensions of 2m(4m) x 610mm and the flow range is 0-3.5 litres/sec. • Fifteen models and accessories are included as standard and a sheet of coloured glass allows rapid changeover from mobile bed to flow visualisation mode. • All controls are housed in a portable console which includes a flexible cable and water safe connectors. TECHNICAL SPECIFICATION, Working area: 2 metres x 610mm or 4 metres x 610mm, -Max water depth: 120mm, -Thickness of sand bed: 60mm, -Flow range: 0-3.6 litres/sec, -Sump capacity: 300 litres, Accuracy of flow metering: ±1.5% of full scale deflection. PRACTICAL DEMONSTRATION AND VISUALISATION CAPABILITIES: • Mobile bed experiments, • Flow around model engineering structures, • Experimental investigation of erosion and deposition, • Characteristics of meandering water courses, • Two dimensional flow visualisation by the Ahlborn technique, • Boundary layer suction demonstration, • Velocity distribution in duct flow, • Hydraulic analogy to compressible flow, • Civil engineering model testing	UK	1	
HL-24	Laser Doppler Anemometer/ Velocitimeter	1	No- Any vendor has quoted this Equipment, hence it may be reinvited.				

  
Mr. Mumir Ahmed Memon  
Soil Scientist,  
USPCAS-W

  
Dr. Ashfaq Ahmed Memon  
Professor Civil Engineering Department,  
MUET, Jamshoro

  
Dr. A. Latif Qureshi  
Professor,  
USPCAS-W

  
Dr. Kamran Ansari  
Professor,  
USPCAS-W

  
Dr. Mashooque Ali Talpur  
Associate Professor,  
Sindh Agriculture University, Tando Jam





U.S.-Pakistan  
Centers for Advanced Studies in Water



Name of Work: **PROCUREMENT OF LABORATORY EQUIPMENT FOR HYDRAULICS  
LABORATORY OF USPCAS-W, MUET, JAMSHORO.**

**MINUTES OF MEETING:**

A meeting for opening of financial tender for the “**Procurement of Laboratory Equipment Hydraulics Laboratory for USPCAS-W, MUET, Jamshoro**” was held on 05-04-2017 at 12:00 noon in the meeting hall of USPCAS-W, MUET, Jamshoro. The following members of tender Opening Committee were present:

- |  |                  |
|--|------------------|
| 1. Dr. Bakhshal Khan Lashari<br>Project Director,<br>USPCAS-W<br>MUET, Jamshoro.       | Convener         |
| 2. Engr. Muhammad Mashooque Siddiqui<br>Director Procurements,<br>University of Sindh. | Member           |
| 3. Mr. Abdul Ghafoor Kandhir,<br>Procurement Manager,<br>USPCAS-W<br>MUET, Jamshoro    | Member/Secretary |

The Procurement Manager briefed the Committee members that the sealed percentage/ item rate tenders were invited as per SPP Rules 2010 for the said work vide NIT No & dated: PM/USPCAS-W/MUET/JAM/08, 08-02-2017 with purchasing date starting from 13-02-2017 to 01-03-2017, whereas submission date was 02-03-2017 up to 11:00 am. Accordingly, the Technical Proposal of all five (05) bidders were opened on 02-03-2017 and the meeting was conducted on 31-03-2017 (*Minutes of Technical Committee attached*). The Procurement Manager further briefed that all five (05) bidders were qualified on technical grounds. Later on all the vendors were called in the meeting hall of USPCAS-W and the Financial Proposal were opened in their presence under Rule-41 of SPP Rules 2010 (Amended 2013). The following vendors took part in the bidding process:

- |  |                             |
|--|-----------------------------|
| 1. M/s Paktech Instruments Company, Karachi<br>2. M/s East West Infiniti, Islamabad<br>3. M/s Rastek Technologies, Karachi<br>4. M/s Rizvi & Company, Karachi<br>5. M/s Technology Links (Pvt) Ltd., Karachi | } Attendance sheet attached |
|--|-----------------------------|

The Committee started the proceedings of opening of tender in-front of aforementioned bidders and read aloud the names of each bidder one by one by opening their respective bids and other details as depicted under. After opening the financial proposals of M/s Technology Links (Pvt) Ltd., Karachi it was found that they did not submitted earnest money as per the requirement, hence the committee decided to disqualify M/s Technology Links (Pvt) Ltd., Karachi from the bidding process:

Partnering Universities:



S#.	Name of Firm or Bidder	Contractor quoted bid amount in Rs.
1.	M/s Paktech Instruments Company, Karachi	<b>Comparative Statement Attached</b>
2.	M/s East West Infiniti, Islamabad	
3.	M/s Rastek Technologies, Karachi	
4.	M/s Rizvi & Company, Karachi	

Hence the committee recommended to award the work order to the lowest and quality wise quoted venders.

The meeting ended with the vote of thanks to all members.



(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro



(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements,  
University of Sindh



(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro



U.S.-Pakistan Center of Advanced Studies in Water (USPCAS-W)  
Mehran University of Engineering & Technology (MUET), Jamshoro

Attendance Sheet of the Suppliers for Opening of the Financial Proposals of "Laboratory Equipment of Hydraulics Laboratory" at USPCAS-W, MUET, Jamshoro

Dated: 05-Apr-2017

S #	Name of Vendor/ Company/ Contractor	Name of Company Representative	Signature	Quoted Amount	Earnest Amount	Remarks
1	M/s Paktech Instruments Comapny, Karachi	M. Babar Khan Ghosei		C.S. Attached.	Rs. 730,000/-	Present-
2	M/s East West Infiniti, Islamabad	Abdul Rizziq		C.S. Attached.	Rs. 275000/-	Present-
3	M/s Rastek Technologies, Karachi	Ajha Haidee		C.S. Attached.	Rs. 149500/-	Present-
4	M/s Rizvi & Company, Karachi	Ghalib Raza		C.S. Attached.	Rs. 1260,000/=	Present-
5	M/s Technology Links (Pvt) Ltd., Karachi	Aley Raza		C.S. Attached.	Rs. 349500/=	Present-

  
Mr. Abdul Ghafoor Kandhir,  
Procurement Manager,  
USPCAS-W,  
MUET, Jamshoro

  
Engr. Muhammad Mashooque Siddiqui  
Director Procurements  
University of Sindh

  
Prof. Dr. B. K. Lashari  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

**Financial Comparative Statement for Hydraulic Laboratory  
USPCAS-W, MUET, Jamshoro**

As Per Tender			As Per Vendors								
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	Unit Rate	Exchange Rate	Cost in PKR		
									P-1	P-2	Total
HL-01	Basic Self Contained Flume - 10 Meter length (All Accessories)	1	M/S Rizvi & Co Karachi	GUNT- HM 162 Experimental Flume 309x450mm	Germany	1	\$ 108,086.00	106.50	11,511,159.00	541,895.00	12,053,054.00
			M/S Paktech Instruments Company	CFG300/10 Computer Controlled Flow Channel (Section: 300x450mm) length: 10m with SCADA <b>Available Accessories:</b> CFGVDG Broad and thin crested weirs, -CFGCSDL Siphon Spillway, -CFGCPVP Dam spillway Ogee weir, -CFGVD Plate Weir, -CFGCVEN Venturi flume, -CFGVCV Crum weir, -CFGCCO Random Wave Generator, -CFGCSDS Air regulated syphon, -CFG001 Lift and drage model	Spain	1	€ 210,325.00	114.00	23,977,050.00	479,541.00	24,456,591.00
HL-02	AA Current Meter	3	M/S Rizvi & Co Karachi	AA Current Meter -95000 Current Meter USGS Type A, - 95002 Wading Rod USGS 4" Top Setting, -95005 Current Meter Headset Readout, -95011 Rod Adapter for 95006, -95012 Rod Mount for 95006	USA	3	\$ 2,261.00	106.50	722,389.50	34,005.00	756,394.50
			Rastek Technologies	AA Current Meter	USA	3	\$ 1,190.00	106.50	380,205.00	-	380,205.00
HL-03	Pygmy Meter	4	M/S Rizvi & Co Karachi	Pygmy Meter -95001 Current Meter USGS PYGMY, -95004 Wading Rod 1.2 Meter Top Setting	USA	4	\$ 1,658.00	106.50	706,308.00	33,244.00	739,552.00
			Rastek Technologies	Pygmy Meter	USA	4	\$ 899.00	106.50	382,974.00	-	382,974.00
HL-04	Depth integrating suspended hand line sampler	2	M/S Rizvi & Co Karachi	Depth integrating suspended hand line sampler 77950 Sediment Sampler DH48 W/Bottle, -77951 Extension Rod for 77950, -77952 Bottles REPL for 77950	USA	2	\$ 829.00	106.50	176,577.00	8,316.00	184,893.00
HL-05	Handheld Bedload Sampler	3	M/S Rizvi & Co Karachi	Handheld Bedload Sampler -77528 Sampler Helley Smith Hand Held, -77530 Bag for 77528, 250 Micron	USA	3	\$ 653.00	106.50	208,633.50	9,828.00	218,461.50
			Rastek Technologies	Handheld Bedload Sampler Model no BLS-30 M/s Hydrological BEDLOAD SAMPLER CABLE SUSPENDED, MODEL BLS30	USA	3	\$ 6,332.00	106.50	2,023,074.00	-	2,023,074.00
HL-06	Bedload Sampler	2	M/S Rizvi & Co Karachi	Bedload Sampler -404-018 Helley-Smith, Sampler, 8035, -Cable Suspended 65lb, -404-026 Bag, Sediment, Style 1, 250, -3.22 Exp Ratio 3 in. Orifice	USA	2	\$ 1,570.00	106.50	334,410.00	15,740.00	350,150.00
			Rastek Technologies	Bedload Sampler Model no BLS-48 M/s Hydrological	USA	2	\$ 7,291.00	106.50	1,552,983.00	-	1,552,983.00
HL-07	Water Level Sensors/ Digital Depth Sounder	2	M/S Rizvi & Co Karachi	Water Level Sensors/ Digital Depth Sounder -90596 Water Level Meter 101B 30 M	Item Reinvited						
HL-08	Weather Station -Research Grade	1	M/S Rizvi & Co Karachi	Weather Station - Research Grade WS-GP1-CA1 CROSS ARM + GP1 + SENSORS, -ASSY Delta-T Devices Ltd U.K.	UK	1	\$ 4,291.00	106.50	456,991.50	21,515.00	478,506.50
				GPRS modem with Solar power GPRS-DLC-BX1/SP GPRS MODEM GATEWAY BOX, SOLAR POWER AND SIM		1	\$ 1,682.00	106.50	179,133.00	8,831.00	187,964.00
				LBC4 BATTERY CHARGER FOR LBAT4		1	\$ 183.00	106.50	19,489.50	961.00	20,450.50
				LBAT4 RECHARGEABLE BATTERY LBAT4		1	\$ 84.00	106.50	8,946.00	441.00	9,387.00
				DeltaLINK Cloud		1	\$ 22.00	106.50	2,343.00	116.00	2,459.00
				DP-DLC-LR 12 MONTHS LINE RENTAL FOR DELTALINK CLOUD GPRS For use with Delta-T Smart SIM		1	\$ 9.00	106.50	958.50	47.00	1,005.50
			<b>Sub Total</b>								
East West Infiniti PVT LTD ISB	Optional Accessories Solar Power Supply, Datalogger Enclosure, tiltable mast and Accessories	Italy	1	\$ 4,135.00	106.50	440,377.50	34,750.00	475,127.50			
				<b>Sub Total</b>						<b>507,077.50</b>	
HL-09	Soil water content Reflectometer Sensors	30	M/S Rizvi & Co Karachi	94302 Meter pH Soil Moisture	USA	30	\$ 182.00	106.50	581,490.00	27,420.00	608,910.00
	Dataloggers	4		94304 Conditioning Film Repl. 12 pk 76775 Turf-Tec Soil Moisture Sensor	USA	4	\$ 587.00	106.50	250,062.00	11,780.00	261,842.00
				<b>Sub Total</b>						<b>870,752.00</b>	
HL-10	Digital Depth Sounder	4	M/S Rizvi & Co Karachi	90100 Depth Sounder Digital Hoodex	USA	4	\$ 354.00	106.50	150,804.00	7,100.00	157,904.00
			Rastek Technologies	Digital Depth Sounder Model no. 14155865 M/s RAYMARINE	USA	4	\$ 379.00	106.50	161,454.00	-	161,454.00

*Handwritten signature/initials*

*Handwritten signature/initials*

*Handwritten signature/initials*

**Financial Comparative Statement for Hydraulic Laboratory  
USPCAS-W, MUET, Jamshoro**

As Per Tender			As Per Vendors								
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	Unit Rate	Exchange Rate	Cost in PKR		
									P-1	P-2	Total
HL-11	Water Flow Probe	5	M/S Rizvi & Co Karachi	94307 Flow Probe W/Extendable Handle Additional Handling	USA	5	\$ 1,525.00	106.50	812,062.50	38,220.00	850,282.50
			Rastek Technologies	Water Flow Probe Model no. FP-111 M/s. XYLEM	USA	5	\$ 1,340.00	106.50	713,550.00	-	713,550.00
			East West Infinity PVT LTD ISB	BB1100- Global Water FP 211 Flow Probe	USA	5	\$ 1,055.00	106.50	561,787.50	44,250.00	606,037.50
HL-12	Plant Canopy Analyser/Imager	1	M/S Rizvi & Co Karachi	CID MODEL CI-110 PLANT CANOPY ANALYSER / IMAGER. CID BIO-SCIENCE INC., U.S.A	USA	1	\$ 14,451.00	106.50	1,539,031.50	72,455.00	1,611,486.50
HL-13	WATER LEVEL LOGGERS	20	M/S Rizvi & Co Karachi	90800 Level Logger Edge 3001 LTC M100 90732 Cable Assembly 100 Direct Read 90759 Well Cap Assembly 4" locking 90769 Screen 3001 Biofoul	USA	20	\$ 2,397.00	106.50	5,105,610.00	240,340.00	5,345,950.00
			East West Infinity PVT LTD ISB	WL16U Global Water WL16 Water Level Logger	USA	20	\$ 1,055.00	106.50	2,247,150.00	177,000.00	2,424,150.00
HL-14	Acoustic Doppler Velocimeter (ADV)	2	M/S Rizvi & Co Karachi	FT2-HH Sontek Flow Tracker-2 System FT2-2D Flow Tracker2 36-0039-001 1.5-m Flow Tracker2 ADV sensor extension cable, compact 8-pin male to compact 8-pin female wet-pluggable FT2-MR SonTek RECHG-AA-16 Rechargeable NiMH AA batteries, quantity of (16) 10-0696 Battery charger, 16 position, for AA NiMH batteries 20-0183-03 Insulated Chest Waders with Non-Slip Boots. Size: USA Men's size 11	USA	2	\$ 19,738.00	106.50	4,204,194.00	197,926.00	4,402,120.00
			East West Infinity PVT LTD ISB	Acoustic Doppler Velocimeter (ADV) 2 Flow Tracker-2 System 2 FT2-HH- FlowTracker2 Handheld Display unit. FT2-2D Flow Tracker2 36-0039-001-1.5-m Flow Tracker2 ADV FT2-MR-SonTek deluxe RECHG-AA-16-Rechargeable NiMH AA batteries 10-0696-Battery charger 20-0183-03-Insulated Chest Waders	USA	2	\$ 12,580.00	106.50	2,679,540.00	180,000.00	2,859,540.00
HL-15	Electromagnetic Soil conductivity meter	2	M/S Rizvi & Co Karachi	MSRSYS5 MSR5 Landsat FiveBand ICT International Pty Ltd. Australia	USA	2	\$ 9,161.00	106.50	1,951,293.00	91,864.00	2,043,157.00
			M/S Paktech Instruments Company	EM38-MK2 Ground Conductivity meter (simultaneous recording of conductivity and magnetic susceptibility from two Rx coil 1.0 and 0.5m separations)	Canada	2	\$ 32,600.00	106.50	6,943,800.00	138,876.00	7,082,676.00
				Optional Accessories: Extender Arm for Ground level surveying including data logging		2	\$ 1,850.00	106.50	394,050.00	7,881.00	401,931.00
				Geode External GPS/Glonassreceiver attachment for Archer2 field computer (sub-meter accuracy connectivity via Bluetooth, 9-pin serial port w/ included serial port w/ included serial data cable		2	\$ 3,529.00	106.50	751,677.00	15,033.54	766,710.54
				RTmap38MK2 data logging & real time mapping system for Archer2 with GPS		2	\$ 3,147.00	106.50	670,311.00	13,406.22	683,717.22
				Surfer 14 Contouring, gridding, 3D surface Mapping Software		2	\$ 1,323.00	106.50	281,799.00	5,635.98	287,434.98
			TrackMaker 38MK2 data logging and survey path visualization software for Archer2 with GPS	2	\$ 2,500.00	106.50	532,500.00	10,650.00	543,150.00		
<b>Sub Total</b>											<b>9,765,619.74</b>
HL-16	Multispectral Radiometer	2	M/S Rizvi & Co Karachi	92531 Light Meter					<b>Item Reinvited</b>		
HL-17	StreamPro ADCP	2	M/S Rizvi & Co Karachi	SPADCPB-no Tablet PC Teledyne RD Instruments, USA Alternate Offer Sontek ADP 1.5-MHz Real-Time "Mini" System	UK	2	\$ 26,586.00	106.50	5,662,818.00	266,596.00	5,929,414.00
			East West Infinity PVT LTD ISB	StreamPro Sontek River Surveyor S5 2 RS-S5-River Surveyor S5 36-0001-010-10-m power & RS232 serial communications cable PCM-BASIC-2.4 GHz Telemetry / External Power Module 28-0108-SonTek Hydro board II 24-0260-SonTek Hydro board II soft carrying case 10-0697-Rechargeable NiMH AA batteries, package of (16) 10-0696-Battery charger, 16 position, for AA NiMH batteries	USA	2	\$ 21,260.00	106.50	4,528,380.00	357,000.00	4,885,380.00


*Handwritten signature*

*Handwritten signature*


*Handwritten signature*

Financial Comparative Statement for Hydraulic Laboratory  
USPCAS-W, MUET, Jamshoro

As Per Tender			As Per Vendors											
Item Code	Name of Equipment	Qty	Vendor Name	Make & Model	Country of Origin	Qty	Unit Rate	Exchange Rate	Cost in PKR					
									P-1	P-2	Total			
HL-18	Onset Recording Rain Gage	3	M/S Rizvi & Co Karachi	89484 Rain Gauge Data Logging Inches	USA	3	\$ 638.00	106.50	203,841.00	9,591.00	213,432.00			
			Rastek Technologies	Onset recording rain gage Part no. GG3 M/s. ONSET	USA	3	\$ 568.00	106.50	181,476.00	-	181,476.00			
HL-19	Hydroprobe soil moisture neutron probe - for measuring soil water content.	1	M/S Rizvi & Co Karachi	77151 Meter Soil Moisture HD 8" Probe	USA	1	\$ 425.00	106.50	45,262.50	2,132.00	47,394.50			
			Rastek Technologies	Smart Hydroprobe soil moisture neutron probe Model no. 503	USA	1	\$ 14,190.00	106.50	1,511,235.00	-	1,511,235.00			
HL-20	Smartroll rugged Multiparameter Handheld system	2	M/S Rizvi & Co Karachi	In-Situ smarTROLL Multiparameter Handheld Instrument with 5' Cable. Stock No.77367 Field Case, Maintenance Kit	USA	2	\$ 4,787.00	106.50	1,019,631.00	48,006.00	1,067,637.00			
HL-21	River Surveyor			Sontek RiverSurveyor M9		1	\$ 36,683.00	106.50	3,906,739.50	183,918.00	4,090,657.50			
				Optional Accessories PCM-BASIC 2.4 GHz Telemetry / External Power Module for remote data collection		1	\$ 3,292.00	106.50	350,598.00	17,283.00	367,881.00			
		1	M/S Rizvi & Co Karachi	28-0108 SonTek Hydroboard II For RiverSurveyor S5 and M9 systems	USA	1	\$ 3,350.00	106.50	356,775.00	17,588.00	374,363.00			
				24-0260 SonTek Hydroboard II soft carrying case		1	\$ 384.00	106.50	40,896.00	2,016.00	42,912.00			
				10-0697 Rechargeable NiMH AA batteries, package of (16)		1	\$ 174.00	106.50	18,531.00	914.00	19,445.00			
				10-0696 Battery charger, 16 position, for AA NiMH batteries		1	\$ 181.00	106.50	19,276.50	950.00	20,226.50			
				<b>Sub Total</b>										<b>4,915,485.00</b>
							East West Infiniti PVT LTD ISB	Sontek River Surveyor M9 RS-M9River Surveyor M9. PCM-BASIC-2.4 GHz Telemetry / External Power Module for remote data collection. 28-0108- SonTek Hydro board II for River Surveyor S5 and M9 systems 24-0260-SonTek Hydro board II soft carrying case 10-0697-Rechargeable NiMH AA batteries, package of (16) 10-0696-Battery charger, 16 position, for AA NiMH batteries	USA	1	\$ 32,760.00	106.50	3,488,940.00	275,000.00
HL-22	Computer Controlled Hydrologic Systems	1	M/S Rizvi & Co Karachi	Hampden H-6545-10-CDLC Rainfall Demonstration with Computer Data Logging and Control	USA	1	\$ 96,987.00	106.50	10,329,115.50	486,271.00	10,815,386.50			
			M/S Paktech Instruments Company	ESHG (2x1m) Computer Controlled Hydrologic System, Rain Simulator and Irrigation System Unit (2x1) Metallic structure and panels.	Spain	1	€ 49,950.00	114.00	5,694,300.00	113,886.00	5,808,186.00			
HL-23	Mobile Bed and Flow Visualization Tank	1	M/S Rizvi & Co Karachi	Hampden H-6524-10 - Mobile Bed and Flow Visualization Trainer	USA	1	\$ 128,622.00	106.50	13,698,243.00	644,879.00	14,343,122.00			
			M/S Paktech Instruments Company	HVFLM-2 Mobile Bed and Flow Visualization Unit (Working Section: 2000x610 mm)	Spain	1	€ 33,700.00	114.00	3,841,800.00	76,836.00	3,918,636.00			
HL-24	Laser Doppler Anemometer/ Velocitimeter	1		Not Quoted										

  
Mr. Abdul Ghafoor Kandhir,  
Procurement Manager,  
USPCAS-W,  
MUET, Jamshoro

  
Engr. Muhammad Mashooque Siddiqui  
Director Procurements  
University of Sindh

  
Prof. Dr. B. K. Lashari  
Project Director,  
USPCAS-W,  
MUET, Jamshoro



U.S.-Pakistan  
Centers for Advanced Studies in Water



**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“PROCUREMENT OF THE LAB EQUIPMENT FOR HYDRAULICS LABORATORY”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s Paktech Instruments Company, Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:






**BIDDERS QUALIFICATION REPORT**


TENDER NAMELY

**"PROCUREMENT OF THE LAB EQUIPMENT FOR HYDRAULICS LABORATORY"**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s East West Infiniti, Islamabad
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:





U.S.-Pakistan  
Centers for Advanced Studies in Water





**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“PROCUREMENT OF THE LAB EQUIPMENT FOR HYDRAULICS LABORATORY”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s Rastek Technologies, Karachi
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro


Partnering Universities:





**BIDDERS QUALIFICATION REPORT**  
TENDER NAMELY  
**“PROCUREMENT OF THE LAB EQUIPMENT FOR HYDRAULICS LABORATORY”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s Rizvi & Company, Karachi
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

  
(Prof. Dr. B.K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:







## Bid Evaluation Report

1. Name of Procuring Agency: U.S-Pakistan Center for Advanced Studies in Water, Mehran University of Engineering & Technology, Jamshoro
2. Tender Reference No: PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3. Tender Description/Name of work/item: Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment
4. Method of Procurement: Domestic/ Local
5. Tender Published: MUET Web Site on 09-Feb-2017 and on SPPRA Website 09-Feb-2017 SPPRA Sr. No. 31566 "Dawn News" on 10-Feb-2017 "Jung" on 09-Feb-2017 & "Daily Ibrat" on 09-Feb-2017
6. Total Bid documents Sold; 07 Nos.
7. Total Bids Received: 07 Nos.
8. Technical Bid Opening date: (if applicable) 02-Mar-2017
9. No. of Bid technically qualified (if applicable): 07 Nos.
10. Bid(s) Rejected Nil.
11. Financial Bid Opening date: 05-May-2017
12. Bid Evaluation Report:

<i>S No</i>	<i>Name of Firm or Bidder</i>	<i>Cost offered by the Bidder</i>	<i>Ranking in terms of cost</i>	<i>Comparison with Estimated cost</i>	<i>Reasons for acceptance/ rejection</i>	<i>Remarks</i>
0	1	2	3	4	5	6
1	M/s Texon Technologies, Hyderabad					<b>ITEM WISE COMPARATIVE STATEMENT ATTACHED</b>
2	M/s Kontinental Establishment, Karachi					
3	M/s Technosys International, Karachi					
4	M/S Amtech, Karachi					
5	M/S Rastek Technologies, Karachi					
6	M/S Htech Solutions (Pvt) Ltd., Karachi					
7	M/S CommTel Sytems, Karachi					

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurement,  
University of Sindh

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro



USAID  
FROM THE AMERICAN PEOPLE

U.S.-Pakistan  
Centers for Advanced Studies in Water



SUBJECT: MINUTES OF TECHNICAL COMMITTEE FOR OPENING OF TECHNICAL PROPOSALS FOR PROCUREMENT OF EQUIPMENT FOR GIS & REMOTE SENSING LABORATORY AND VIDEO CONFERENCING EQUIPMENT AT USPCAS-W, MUET, JAMSHORO, OPENED ON 02-03-2017 AT 13:30 HRS IN THE OFFICE OF THE PROJECT DIRECTOR, USPCAS-W, MUET, JAMSHORO.

EVALUATION REPORT OF TECHNICAL PROPOSAL SUBMITTED FOR THE BID

In order to evaluate the Technical Proposal for the above mentioned work the Committee comprising following members were constituted.

1. Dr. Faisal Karim Shaikh  
Chairman, Department of Telecommunication Engg.  
MUET, Jamshoro
2. Mr. Ghulam Mustafa Baloch  
Instrumentation Engineer (TQCIC)  
MUET, Jamshoro
3. Syed Mansoor Ali Shah  
Finance and Grants Manager  
USPCAS-W
4. Mr. Waqas Ahmed Pathan  
Assistant Professor  
USPCAS-W
5. Mr. Naeem Dal  
Assistant System Administrator  
USPCAS-W

Accordingly, the meeting of the committee was convened on 13-Apr-2017. Procurement Manager, briefed the rest of the Committee members that seven (07) firms purchased the bidding documents and submitted their bids on closing date & time i.e. on 02-03-2017 upto 01:00 PM as mentioned in the NIT issued in 03 daily newspapers (English, Urdu & Sindhi). The list of the firms who purchased the bidding documents is as under:

S. No.	Name of Firm	Remarks
1.	M/s Texon Technologies, Hyderabad	Submitted
2.	M/s Kontinental Establishment, Karachi	Submitted
3.	M/s Technosys International, Karachi	Submitted
4.	M/S Amtech, Karachi	Submitted
5.	M/S Rastek Technologies, Karachi	Submitted
6.	M/S Htech Solutions (Pvt) Ltd., Karachi	Submitted
7.	M/S CommTel Sytems, Karachi	Submitted

Partnering Universities:


THE UNIVERSITY OF UTAH



He, further briefed that all seven (07) bidders submitted their proposals as desired as per procedure adopted for the bidding on Single Stage-Two Envelope Procedure as per Rule 46(2) of SPP Rules-2010 (Amended 2013).

Later on, the Technical Proposals of the bidders were thoroughly checked & verified by the technical committee and the items mentioned in the proposals and made recommendations, which are attached as flag - 'A'.

In the light of recommendations of the Committee, all the seven (07) venders were qualified on technical grounds. The Committee further recommended that Financial Proposal of all the technically qualified bidders shall be opened as per the guidelines provided in the SPP Rules-2010 (Amended 2013).

  
Procurement Manager  
USPCAS-W  
MUET, Jamshoro





**U.S.-Pakistan Center of Advanced Studies in Water (USPCAS-W)  
Mehran University of Engineering & Technology (MUET), Jamshoro**

**Attendance Sheet of the Suppliers for Opening of the Technical Proposals of "GIS & Remote Sensing Laboratory & Video Conferencing Equipment" at USPCAS-W,  
MUET, Jamshoro**

Dated: 02-Mar-2017

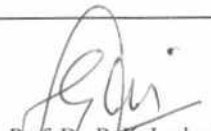
S #	Name of Vendor/ Company/ Contractor	Name of Company Representative	Signature	Remarks
1	M/s Texon Technologies, Hyderabad	Mudassar Ahmed		-
2	M/s Kontinental Establishment, Karachi	-	-	Received through courtesy.
3	M/s Technosys International, Karachi	M. Bilal		-
4	M/S Amtech, Karachi	Hussain		-
5	M/S Rastek Technologies, Karachi	Alha Haidee	Haidee	-
6	M/S Htech Solutions (Pvt) Ltd., Karachi	Faisal + Noman	Faisal	-
7	M/S CommTel Sytems, Karachi	VASIR VISHVI	Vishvi	-



Mr. Abdul Ghafoor Kandhir,  
Procurement Manager,  
USPCAS-W,  
MUET, Jamshoro



Engr. Muhammad Mashooque Siddiqui  
Director Procurements  
University of Sindh



Prof. Dr. B.K. Lashari  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Technical Comparative Statement for Procurement of GIS & Remote Sensing Laboratory Equipment (Phase 2) of USPCAS-W, MUET, Jamshoro

As Per Tender			As Per Vendors				
Item Code	Name of Equipment	Qty	Vendor Name	Description	Country of Origin	Qty	Remarks
GIS & RS-01	Erdas IMAGINE Professional Software	1	M/S Kontinental Establishment, Karachi	Desktop Educational Program (5 Seats) Permanent License Educational Core Level 1 - Permanent License CC (5 seat) Included Erdas Expansion Pack - License duration 4years	USA	1	Meets the technical specification. Technically recommended. Hence the committee recommended to select the lowest bidder.
			M/S Rastek Technologies	Erdas IMAGINE Professional Software Desktop Educational Program - Five Seats (Level-1) permanent licenses - Included Erdas Expansion Pack - License duration 4years Note: Software Upgradation of Software per Year @ cost of 25% of Software Value	Germany	1	Meets the technical specification. Technically recommended. Hence the committee recommended to select the lowest bidder.
GIS & RS-02	Workstation & LED	3	M/S Kontinental Establishment, Karachi	HP WORK STATION Z840 HP Single Unit Packaging, HP Z840 (1125W/200V) 90 Percent Efficient Chassis, Win 10 Pro 64 SING, Operating System Load to SATA/SAS, Intel Xeon E5-2687Wv4 3.0 2400 (8x8GB) 1 CPU, Reg RAM, NVIDIA Quadro M2000 4GB 4xDP (at No cable included Graphics, 2TB 7200 RPM SATA 1st Hard Drive, HP USB Keyboard SING HP USB Hardened Mouse, 9.5mm Slim DVD-ROM 1st ODD, HP Remote Graphics Software (RGS) for Z, HP 3-3-3 Warranties SING HP Display Port To DVI-D Adapter, HP Z840 Country Kit SING HP Single Processor Air Cooling Kit	USA	3	Significantly newer manufacturing processor, More I3 cache, More cores, Newer processor released in 2016. So this workstation is recommended over Dell Precision Tower 2687w V3 processor (M/S Texon and M/S Kontinental has quoted same workstation, so committee will decide for lowest option)
				6	LED Option A: HP Z232 23-inch IPS Display (N2Q17A4) LED Option B: HP Z230 23-inch IPS Display (M2J79A4)		6
		3	M/S Rastek Technologies, Karachi	Dell Precision Tower 7000 Series (7910) Workstation Processor: Intel® Xeon® Ten Core 2687W V3 Processor, OS: Windows 10 Pro, Memory: 64GB (8x8GB) 2400MHz, Hard Drive: 2TB Graphic Card: NVIDIA® Quadro® M2000 4GB (4 DP)	USA	3	Vendor has quoted processor and other configurations as per our requirements. This is also recommended as per our requirements. Although M/S Texon and M/S Kontinental has also quoted as per our requirements but their processor is higher than the M/S Rastek.
		6		LED Specifications Dell E23164H VESA Mountable - Display Size: 23 inch, - Display type: IPS with LED Backlight, - Inputs: 1 VGA, 1 HDMI, 1 DVI-D	Malaysia	6	
		3	M/S Texon Technologies, Hyderabad	HP Z840 WorkStation 1125W (1450W/200V)90% Eff Chassis, OS: Windows - 10 Pro, Processor: Intel Xeon Ten Core processor E5-2687W v4, Memory: 64GB (8x8GB) 2400 MHz, DDR4 RDIMM ECC, Graphic Card: NVIDIA Quadro M2000 4GB (4DP), Hard Drive: 2 TB Serial-ATA (7,200 RPM), HP USB KEYBOARD, HP USB MOUSE, Optical Drive: 8x DVD ROM Slimline, HP Remote Graphics Software (RGS) for Z840, Ports: USB 3.0, PS2, Serial, RJ45, SATA/SAS 6Gbps, SATA 6 GB/s for Optical Drives, Slots: 5 Slots, all full length except slot 2, PCIe x 16 Gen 3 (plus 2 additional PCIe x 16 Gen 3 with second processor option), PCIe x 16 Gen 3 wired x 4 external slot 1), PCIe x 16 Gen 2 wired x 4 1 PCI 32 bit/33 MHz, Type: Tower, 03 Years HP Official Warranty	USA	3	Significantly newer manufacturing processor, More I3 cache, More cores, Newer processor released in 2016. So this workstation is recommended over Dell Precision Tower 2687w V3 processor (M/S Texon and M/S Kontinental has quoted same workstation, so committee will decide for lowest option)
				6	HP Z232 IPS Display LED Display type: IPS with LED Backlite 03 Years HP Official Warranty		6
GIS & RS-03	UPS	30	M/S Kontinental Establishment, Karachi	INFORM TURKEY (900 Watts / 1500VA), Guard Compact Series, Model No: GUARD-S 1500AP	Turkey	30	UPS system is available in USPCAS-W new building. So not recommended for purchase
			M/S Rastek Technologies, Karachi	Back-UPS Pro 1500VA UPS Battery Backup & Surge Protector Output Voltage: AC 230 V 50/60 Hz Circuit Protection: Circuit breaker DataLine Surge Protection: Network - RJ-45 Battery Power Capacity: 900 Watt / 1500 VA	USA	30	
			M/S Texon Technologies, Hyderabad	EMERSON Liebert PSA 1500VA	USA	30	
GIS & RS-04	Industrial Drone	1	M/S Rastek Technologies, Karachi	The DJI Phantom 4 Factory package which includes - 1x DJI Phantom 4 Aircraft, - 3x DJI Intelligent Flight Batteries, - 1x Remote Controller w/ Mobile Device Holder, 1x 100W Battery charger for both Flight battery and remote controller The Bundle Kit which includes 1x 64GB SD Card, 1x USB 3.0 SD Card Reader (For video/photo transfer), 1x Sunnik Drone Care Kit Pro, 1x Sunnik Aerial Remote Controller Neck Strap, 1x Parabolic Antenna Reflector.	USA	1	Does not meet the technical specifications. Not recommended.
			M/S HTech Solutions, Karachi	DJI Matrice M600 Diagonal Wheelbase 1133 mm, Hovering Accuracy (P Mode, with GPS) Vertical: ±0.5 m, Horizontal: ±1.5 m, Max Angular Velocity Pitch 300°/s, Yaw: 150°/s Max Pitch Angle 25°, Max Speed of Ascent 5 m/s, Max Speed of Descent 3 m/s, Max Wind Resistance 8 m/s, Max Transmission Distance (unobstructed, free of interference), FCC Compliant: 3.1 miles (5 km), CE Compliant: 2.1 miles (3.5 km), EIRP 10 dBm @ 900 MHz, 13 dBm @ 5.8 G, 20 dBm @ 2.4 G, Video Output Port HDMI, SDI, USB	China		Meets technical specifications. Technically recommended.
			M/S Technosys International	Drone			Vendor did not provide detailed specifications and brochures, hence it is not recommended.

*Rastek*

*[Signature]*

*[Signature]*

*Edward Miller*

*[Signature]*

As Per Tender			As Per Vendors			Remarks	
Item Code	Name of Equipment	Qty	Vendor Name	Description	Country of Origin		Qty
GIS & RS-05	Camera/ Gimble	1	M/S Rastek Technologies, Karachi	<b>DJI Osmo Hand-held Shake-free Outdoor Action Video 4K Camera with Zenmuse X3 Gimbal</b> Type: Multi-function Camera Brand: DJI Image Sensor: CMOS Image File Format: JPG Image Resolution: 4032 x 3024 Video File Format: MP4, MOV Video Resolution: 1920 x 1080 White Balance: Auto Screen Pixels: Other Viewfinder: Optical Storage Card Slot: MicroSD/MicroSDHC/MicroSDXC/TF Interface: WiFi Battery Type: Rechargeable Li-Ion Battery Battery Capacity(mAh): 1000 Multi-Camera: NO Sound Recording: Yes	USA	1	This Item is recommended to be dropped as the item quoted by M/s HTECH in item no. GS & RS-04 is serving its purpose.
			M/S HTECH Solutions, Karachi	<b>DJI Zenmuse Z30</b> Sensor CMOS, 1/2.8"; Effective Pixels: 2.13 M; Lens 30x Optical Zoom F1.6 (Wide) - F4.7 (Tele) Zoom Movement Speed: - Optical Wide - Optical Tele: 4.6 sec- Optical Wide - Digital Tele: 6.4 sec- Digital Wide - Digital Tele: 1.8 sec. Focus Movement Time: ∞ - near: 1.1 sec; FOV 63.7°(Wide) - 2.3°(Tele); Digital Zoom 6x; Min. Working Distance 10 mm - 1200 mm. Photo Formats JPEG; Video Formats MOV, MP4; Working Modes Capture, Record, Playback; Still Photography Modes Single shot, Burst shooting: 3/5 frames, Interval (2/3/4/7/10/15/20/30 sec); Exposure Mode Exposure Mode Auto, Manual, Shutter priority, Aperture priority; Exposure Compensation ±2.3 (1/3 increments); Metering Mode Center-weighted metering, Spot metering (Area option 12x8)	China		
GIS & RS-06	Thermal imaging	1	M/S Rastek Technologies, Karachi	<b>FLIR TG165 Spot Thermal Camera</b> Product information Technical Details: Part Number TG165, Item Weight: 1.9 pounds, Product Dimensions: 7.3 x 2.2 x 3.7 inches, Origin: China, Item model number TG165, Batteries: 1 Lithium ion batteries required (included), Size: Standard, Color: port, Style: Spot IR Camera w/ Image Storage, Material: Standard, Item Package Quantity: 1, Number Of Pieces: 1, Number of Handles: 1	USA	1	Does not meet the technical specifications. Technically not recommended
GIS & RS-07	Real Time Kinematics (RTK) GPS SYSTEM	1	M/S Rastek Technologies, Karachi	These units track GPS L1 L2 and Glonass Full time (purchased). These units have a UHF 450-470mhz internal radios. The FC-2500 data collector has TopSurv software. Also included is the PZL-1 millimeter laser and PZS-1 rover sensor. Instantly computes precise vertical information from the PZL-1 laser transmitter	China	1	The vendor did not provide detail brochures hence the item is recommended to be reinvited
GIS & RS-08	altimeter / barometer / thermometer	1	M/S Rastek Technologies, Karachi	<b>Life-Tandy Sunroad FR500 Multifunction LCD Digital Altimeter Barometer Compass Thermometer Hygrometer Weather Forecast LED Torch Waterproof</b> <b>Altimeter:</b> Altimeter range(-700 to 9000m/-2296 to 29500ft), Resolution of 1 meter/feet, Max./Min. memory for altitude, Altitude history and graphical display of the last 24 hour altitude readings, Altitude total gain or loss 44999 meter/feet <b>Barometer:</b> Pressure range 300hpa to 1100hpa(8.84inHg to 32.44inHg), Resolution of 0.1hpa(0.01inHg), 24 hour pressure history and graphical display, Electronic pressure weather forecast(sunny, slightly cloudy, cloudy, rainy) Pressure trend indicators <b>Thermometer:</b> Range from -20 degree to 60 degree (-4 degree to 140degree) Max./Min. memory for temperature <b>Hygrometers-Relative humidity (20%-95%)</b> Max./Min. memory for relative humidity	USA	1	Meets the technical specification. Technically recommended.
GIS & RS-09	Robotic Total Station	1	M/S Rastek Technologies, Karachi	<b>LEICA TCRA1105+ PRISMLESS ROBOTIC SURVEYING TOTAL STATION</b> Setting range 4' (0.07 gon), Setting accuracy 1.5" (0.5 mgon); Method Centralized dual axis compensator; Telescope Magnification 30x; Free aperture of objective 40 mm; Field of view 1°30' (1.66 mgon) / 2.7 m at 100 m; Focusing 1.7 m to infinity; Display 8 lines with 32 characters 256*64 pixels, graphic LCD; Keyboard 30 keys (6 function keys, 12 alphanumeric keys); Angle display 360° (decimal), 400 gon, 6400 mil; Distance display Meter, Int. Ft/Inch, US Ft/Inch; Numbers 1/2 (optional); Accuracy Deviates from the plumb line 1.5 mm (2 sigma) at 1.5 m; Point diameter 2.5 mm at 1.5 m; Battery Type Nickel Metal Hydride (NiMH); Voltage 6 V; Capacity (GEB121) 3.6 Ah; Number of measurements 400-600	USA	1	Does not meet the technical specifications. Technically not recommended
GIS & RS-10	Multispectral Radiometers	1	M/S Rastek Technologies, Karachi	<b>3B Scientific U14300 Crookes Radiometer, Giant Size</b> Product features:- Demonstrates conversion of radiation energy to kinetic energy. Rotary vane wheel on metal tip for low friction, 210mm height with 80mm bulb diameter, Glass for clear visibility, Weighs 0.24 lb. Product description: The 3B Scientific U14300 Crookes radiometer is 210mm high with a 80mm bulb, diameter and demonstrates the conversion of radiation energy to kinetic energy. The rotary vane wheel sits on a metal tip for low friction and the evacuated glass housing provides clear visibility. The Crookes radiometer weighs 0.24 lb. and is suitable for use in physical science classroom instruction. Science education products incorporate applied math and science principles into classroom and homeschool-based projects. Teachers in pre-K, elementary, and secondary classrooms use science education kits and products alongside science, technology, engineering, and math (STEM) curriculum to demonstrate STEM concepts, and real-world applications through hands-on activities. Science education projects include a broad range of activities, such as practical experiments in engineering, aeronautics, robotics, energy, chemistry, physics, biology, and geology. 3B Scientific manufactures anatomical models, simulators, charts, and other training materials for use in scientific, medical, and patient education. The company, founded in 1948 and headquartered in Hamburg, Germany, meets International Organization of Standardization (ISO) standard 9001:2008.	USA	1	Does not meet the technical specifications. Technically not recommended

*[Handwritten signature]*

*[Handwritten mark]*


*[Handwritten signature]*

*[Handwritten signature]*

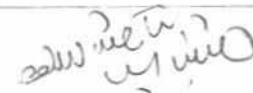
As Per Tender			As Per Vendors		Country of Origin	Qty	Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Description			
				education kits and products alongside science, technology, engineering, and math (STEM) curriculum to demonstrate STEM concepts, and real-world applications through hands-on activities. Science education projects include a broad range of activities, such as practical experiments in engineering, aeronautics, robotics, energy, chemistry, physics, biology, and geology. 3B Scientific manufactures anatomical models, simulators, charts, and other training materials for use in scientific, medical, and patient education. The company, founded in 1948 and headquartered in Hamburg, Germany, meets International Organization of Standardization (ISO) standard 9001: 2008.			
GIS & RS-11	LIDAR	1	M/S Rastick Technologies, Karachi	1000m Waterproof Golf Laser Rangefinder 6X Laser SpDistance Meter Pinseeker 1000m Waterproof Golf Laser Rangefinder 6X Laser Speed DisMeter Pinseeker Specifications: Model: LRS1KSP1, Measuring range of distance: 5-1000m, Measuring range of speed: 0-300km/h, Object lens size: 21mm, Ocular Circle: 16mm, Magnification: 6X, Field of view: 7.2degree, Waterproof: Yes, Measurement Accuracy: ±0.5m, Battery: 3V(CR2) (Not included for safety!), Net Weight: 172g, Product size(mm): 106X35X68mm (eyepiece included), 97x35x73mm(eyepiece not included) (LengthXWidthXHeight)	USA	1	Does not meets the technical specifications Technically not recommended.



Mr. Naem Dal  
Assistant System Administrator  
USPCAS-W



Mr. Ghulam Mustafa Baloch  
Instrumentation Engineer (TQCIC)  
MUEE, Jamshoro



Mr. Waqas Ahmed Pathan  
Assistant Professor  
USPCAS-W



Syed Mansoor Ali Shah  
Finance and Grants Manager  
USPCAS-W




Dr. Faisal Karim Shaikh  
Chairman, Department of Telecommunication Engg.  
MUEE, Jamshoro






Technical Comparative Statement for Procurement of Video Conferencing Equipment of USPCAS-W, MUET, Jamshoro

As Per Tender			As Per Vendors				Country of Origin	Qty	Remarks
Item Code	Name of Equipment	Qty	Vendor Name	Description					
VCE-01	*HD Video Conferencing System with camera and CODEC with 1+5 License -HD PTZ Camera with wall Mount kit -DVD Recorder or built-in recording system -LED TV Screen 60 inch with Moveable wall mount Kit and Stand -Table Microphones -Wireless Microphones -Collar mics -Digital Audio mixer 25 ports, echo cancellation and far end feedback reduction device -Power Amplifier System -Ceiling mounted Speakers -Camera Controller		M/S Amtech	<b>Polycom Group 700</b> 8 way Multi-Point, Samsung camera SPD 1000, DVD recorder, LG/PANASONIC, Sony 60 inch 60W600 LED TV, LED TV Trolley, Table Microphones HT-D38, Wireless SEIKAKU hand cordless Microphones, CEER Collar Mics: Digital Audio Sound Craft L*9 channel Mixer, WHARFEDALE pro CPD-1600 Amplifier, WHARFEDA C170 ceiling speakers, Camera Controller/ Quad display DVR.		USA		Vendor has quoted Polycom 700, Codec with 1+7 License During the demo it was observed that the Video result was better as compared to other VC systems. HEC also recommended the Polcom VC System as it is being used in most of the Universities. Therefore the committee recommended Polycom VC System from the lowest bidder.	
				<b>Option: 2</b> <b>Polycom Group 700</b> 8 way, Multi-Point, Polycom PTZ camera, Polycom mic array, Sony 60 inch 60W600 LED TV, LED TV Trolley, DVD recorder LG/PANASONIC, WHARFEDALE pro CPD-1600 Amplifier, WHARFEDA C170 ceiling speakers		USA			
			M/S Commtel	1(a) HUAWEI TE50 HD codec 1080, VPC620 HD camera(12x), VPM220 wired microphone array 1(b) Multipoint Option for Huawei TE50 TE Series Mini-MCU Universal Transcoding Multipoint Software Option License, TE50 (6V +3A), Sony EVI-H100V Camera, Panasonic DMRES18 - 160GB, LG 60UH651, ITC Audio T-531, HandHeld ITC BARDL- UK 800 MH, ITC BARDL - UK 800 MT, ITC DIGI-SOUND HX 2402, ITC-Audio T-120, ITC T-105 Ceiling Speaker, Sony RM-BR300, Cabling Installation and Commissioning including audio cabling, 1 Year Warranty & Onsite Support One Year Onsite Support with training		China			Vendor has quoted HUAWEI, which meets our requirements, but during the demo HUAWEI result was not good as compared to Polycom.
			M/S Technosys	Polycom RealPresence Group Series HD Video Conferencing System with camera and CODEC with 1+5 license (2), Polycom HD PTZ Camera (6), Sony DVD Recorder (2), Sony LED TV 60 Inch (4), 10 Table Microphones (10), Micro Phones (10), Colar Mics (4), TOA Digital Audio Mixer (2), TOA Amplifier (2), TOA ceiling speakers (12), PTZ Optics Controller (2)		USA			M/S Technosys meets our requirements. HEC also recommended the Polycom VC System as it is being used in most of the Universities. Therefore the committee recommended Polycom VC System from the lowest bidder.
			M/S Texon Technologies	AVER EVC 350 + 02 additional Licenses, AVER CAM 530, Built in Recording, Orient, HDTZ D - 38, SGDR 880, SGDR 880, Allen Heat GL 2400, Teavey CS 4000, INTERM CS 06		Taiwan			Vendor has quoted AVER EVC, which meets our requirements, however during the demo the result of AVER is not good as compared to Polycom.
			M/S Kontinental Establishment	AVER EVC 350 + 02 additional Licenses, AVER CAM 530, Built in Recording, Orient, HDTZ D - 38, SGDR 880, SGDR 880, Allen Heat GL 2400, Teavey CS 4000, INTERM CS 06		Taiwan			Vendor has quoted AVER EVC, which meets our requirements, however during the demo the result of AVER is not good as compared to Polycom.
VCE-02	Portable HDD Storage: 4TB, Power Type: USB Powered only, Features: Military-grade shock resistance, SuperSpeed USB 3.1, USB 3.0 compliant / data transfer speeds up to 220MB/s, Advanced shock protection system, Advanced internal hard drive suspension system, Based on military drop-test standards	4	M/S Amtech	<ul style="list-style-type: none"> <li>New USB-C connector for next-generation computers.</li> <li>Included USB 3.0 adapter works with PC or Mac</li> <li>Bus powered for mobile workflows</li> <li>Drop-, crush- and rain-resistant for all-terrain use</li> </ul>		USA	4	The HDD Quoted by M/S Amtech is of well reputed brand LACIE, it is a brand of Seagate Company which highly recommended	
			M/S Technosys	Portable HDD		-	4	Vendor did not provide detailed specifications & brochures, hence it is not recommended	
			M/S Kontinental Establishment	Silicon Power Armor A60, 4TB USB 3.0 Portable HDD Storage: 4TB Power Type: USB Powered only "Features: Military-grade shock resistance, Super Speed USB 3.1, USB 3.0 compliant / data transfer speeds up to 220MB/s advanced shock protection system Advanced internal Hard drive suspension system Based on military drop-test standards"		Taiwan	4	The HDD quoted by M/S Kontinental & M/S Texon Technology meets our requirement but it is not recommended over the HDD quoted by M/S Amtech	
			M/S Texon Technology	Silicon Power 4TB, USB 3.0 Portable HDD Armor A85, Model SP040TBPHDA85S3S, Storage: 4 TB, Power Type: USB Powerd only, Features: Military-grade shock resistance, super speed USB 3.1, USB 3.0, compliant / data transfer speeds upto 220 MB/s, Advanced shock protection system, Advanced internal hard drive, Suspension system, Based on military drop-test standards One Year Warranty		Taiwan	4		

  
 Mr. Naeem Dal  
 Assistant System Administrator  
 USPCAS-W

  
 Mr. Waqas Ahmed Pathan  
 Assistant Professor  
 USPCAS-W

  
 Syed Mansoor Ali Shah  
 Finance and Grants Manager  
 USPCAS-W

  
 Mr. Ghulam Mustafa Banooh  
 Instrumentation Engineer (TQCIC)  
 MUET, Jamshoro

  
 Dr. Faisal Karim Shaikh  
 Chairman, Department of Telecommunication Engg  
 MUET, Jamshoro





**USAID**  
FROM THE AMERICAN PEOPLE

U.S.-Pakistan  
Centers for Advanced Studies in Water



Name of Work: **PROCUREMENT OF LABORATORY EQUIPMENT FOR PROCUREMENT OF EQUIPMENT FOR GIS & REMOTE SENSING LABORATORY AND VIDEO CONFERENCING EQUIPMENT AT USPCAS-W, MUET, JAMSHORO.**

**MINUTES OF MEETING:**

A meeting for opening of financial tender for the “Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment at USPCAS-W, MUET, Jamshoro” was held on 05-05-2017 at 11:00 am in the meeting hall of USPCAS-W, MUET, Jamshoro. The following members of tender Opening Committee were present:

- |  |                  |
|--|------------------|
| 1. Dr. Bakhshal Khan Lashari<br>Project Director,<br>USPCAS-W<br>MUET, Jamshoro.       | Convener         |
| 2. Engr. Muhammad Mashooque Siddiqui<br>Director Procurements,<br>University of Sindh. | Member           |
| 3. Mr. Abdul Ghafoor Kandhir,<br>Procurement Manager,<br>USPCAS-W<br>MUET, Jamshoro    | Member/Secretary |

The Procurement Manager briefed the Committee members that the sealed percentage/ item rate tenders were invited as per SPP Rules 2010 for the said work vide NIT No & dated: PM/USPCAS-W/MUET/JAM/08, 08-02-2017 with purchasing date starting from 13-02-2017 to 01-03-2017, whereas submission date was 02-03-2017 up to 01:30 pm. Accordingly, the Technical Proposal of all seven (07) bidders were opened on 02-03-2017 and the meeting was conducted on 13-04-2017 (*Minutes of Technical Committee attached*). The Procurement Manager further briefed that seven (07) bidders were qualified on technical grounds. Later on all the venders were called in the meeting hall of USPCAS-W and the Financial Proposal were opened in their presence under Rule-41 of SPP Rules 2010 (Amended 2013). The following venders took part in the bidding process:

1. M/s Texon Technologies, Hyderabad
2. M/s Kontinental Establishment, Karachi
3. M/s Technosys International, Karachi
4. M/S Amtech, Karachi
5. M/S Rastek Technologies, Karachi
6. M/S Htech Solutions (Pvt) Ltd., Karachi
7. M/S CommTel Sytems, Karachi

**Attendance sheet attached**

The Committee started the proceedings of opening of tender in-front of aforementioned bidders and read aloud the names of each bidder one by one by opening their respective bids and also read aloud bid amount and other details as depicted under:

**Partnering Universities:**





S#.	Name of Firm or Bidder	Contractor quoted bid amount in Rs.
1.	M/s Texon Technologies, Hyderabad	<b>Comparative Statement attached</b>
2.	M/s Kontinental Establishment, Karachi	
3.	M/s Technosys International, Karachi	
4.	M/S Amtech, Karachi	
5.	M/S Rastek Technologies, Karachi	
6.	M/S Htech Solutions (Pvt) Ltd., Karachi	
7.	M/S CommTel Sytems, Karachi	

After detailed discussion & deliberations, the Committee recommended to awarding the work order on item rates to the lowest vendors.

The meeting ended with the vote of thanks to all the members.

  
 (Abdul Ghafoor Kandhir)  
 Procurement Manager,  
 USPCAS-W  
 MUET, Jamshoro





  
 (Engr. Muhammad Mashooque Siddiqui)  
 Director Procurements,  
 University of Sindh


  
 (Prof. Dr. B. K. Lashari)  
 Project Director,  
 USPCAS-W,  
 MUET, Jamshoro


U.S.-Pakistan Center of Advanced Studies in Water (USPCAS-W)  
Mehran University of Engineering & Technology (MUET), Jamshoro

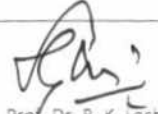
Attendance Sheet of the Suppliers for Opening of the Financial Proposals of "GIS & Remote Sensing Laboratory" at USPCAS-W, MUET, Jamshoro

Dated: 05-May-2017

S #	Name of Vendor/ Company/ Contractor	Name of Company Representative	Signature	Quoted Amount	Earnest Amount	Remarks
1	M/s Texon Technologies, Hyderabad	Mudassar Akhsh		C.S. Attached	160,000/-	-
2	M/s Kontinental Establishment, Karachi	-	-	C.S. Attached.	263,000/-	Absent.
3	M/s Technosys International, Karachi	M. Bilal		C.S. Attached.	200,000/-	-
4	M/S Amtech, Karachi	HOSSAIN ALI		C.S. Attached.	101,000/-	-
5	M/S Rastek Technologies, Karachi	Waider Ali		C.S. Attached.	125,500/-	-
6	M/S Htech Solutions (Pvt) Ltd., Karachi	 Nouzar Razvi		C.S. Attached.	55,000/-	-
7	M/S CommTel Sytems, Karachi	YASIR YUSUF		C.S. Attached.	200,000/-	-

  
 Mr. Abdul Ghafoor Kandhir,  
 Procurement Manager,  
 USPCAS-W,  
 MUET, Jamshoro

  
 Engr. Musharraf Mashood Siddiqui  
 Director Procurements  
 University of Sindh

  
 Prof. Dr. B. K. Lashari  
 Project Director,  
 USPCAS-W,  
 MUET, Jamshoro

Financial Comparative Statement for Procurement of GIS & Remote Sensing Laboratory Equipment (Phase 2) of USPCAS-W, MUET, Jamshoro


As Per Tender			As Per Vendors				Unit Rate	Exchange Rate	Cost in PKR		
Item Code	Name of Equipment	Qty	Vendor Name	Description	Country of Origin	Qty			P-1	P-2	Total
GIS & RS-01	Erdas IMAGINE Professional Software	1	M/S Kontinental Establishment, Karachi	Desktop Educational Program (5 Seats) Permanent License Educational Core Level 1 - Permanent License CC (5 seat) Included Erdas Expansion Pack- License duration 4years	Germany	1	PKR 729,470.00	-	-	729,470.00	
			M/S Rastek Technologies	Erdas IMAGINE Professional Software (05 USERS) Desktop Educational Program - Five Seats (Level-1) permanent licenses - Included Erdas Expansion Pack - License duration 4years Note: Software Upgradation of Software per Year @ cost of 25% of Software Value	Germany	1	\$ 10,500.00	104.80	1,100,400.00	-	1,100,400.00
GIS & RS-02	Workstation & LED	3	M/S Kontinental Establishment, Karachi	HP WORK STATION Z840 HP Single Unit Packaging, HP Z840 1125W (1450W/200V) 90 Percent Efficient Chassis, Win 10 Pro 64 SING, Operating System Load to SATA/SAS, Intel Xeon E5-2687Wv4 3.0 2400 12C1stCPU, 64GB DDR4-2400 (8x8GB) 1CPU Reg RAM, NVIDIA Quadro M2000 4GB 4xDP 1st No cable included Graphics, 2TB 7200 RPM SATA 1st Hard Drive, HP USB Keyboard SING HP USB Hardened Mouse, 9.5mm Slim DVD-ROM 1st ODD, HP Remote Graphics Software (RGS) for Z, HP 3/3/3 Warranty SING, HP Display Port To DVI-D Adapter, HP Z840 Country Kit SING, HP Single Processor Air Cooling Kit	USA	3	PKR 695,400.00	-	-	-	2,086,200.00
				LED Option A: HP Z232 23-inch IPS Display (N2Q17A4) LED Option B: HP Z23n 23-inch IPS Display (M2J79A4)							
				PKR 32,900.00	-	-	-	197,400.00			
		3	M/S Rastek Technologies, Karachi	Dell Precision Tower 7000 Series (7910) Workstation Processor Intel® Xeon® Ten Core, OS Windows 10 Pro Memory 64GB (8x8GB) 2400MHz, Hard Drive 2TB Graphic Card NVIDIA® Quadro® M2000 4GB (4 DP)	USA	3	\$ 3,000.00	104.80	943,200.00	-	943,200.00
				LED Specifications Dell E2316Hr VESA Mountable - Display Size: 23 inch, - Display type: IPS with LED Backlight, - Inputs: 1 VGA, 1 HDMI, 1 DVI-D	Malaysia	6	PKR 25,000.00	-	-	-	150,000.00
		3	M/S Texon Technologies, Hyderabad	HP Z840 WorkStation 1125W (1450W/200V)90% Eff. Chassis, OS: Windows - 10 Pro, Processor Intel Xeon Ten Core processor E5-2687W v4, Memory 64GB (8x8GB) 2400 MHz DDR4 RDIMM ECC, Graphic Card NVIDIA Quadro M2000 4GB (4DP), Hard Drive 2 TB Serial-ATA (7,200 RPM), HP USB KEYBOARD, HP USB MOUSE, Optical Drive 8x DVD ROM Slimline, HP Remote Graphics Software (RGS) for Z840, Ports: USB 3.0, PS2, Serial, RJ45, SATA/SAS 6Gb/s, SATA 6 GB/s for Optical Drives, Slots: 5 Slots, all full length except slot, 2 PCIe x 16 Gen 3 (plus 2 additional PCIe x 16 Gen, 3 with second processor option), PCIe x 16 Gen 3 wired x 4 external slot 1), PCIe x 16 Gen 2 wired x4 1 PCI 32 bit/33 MHz, Type: Tower, 03 Years HP Official Warranty	USA	3	PKR 614,786.00	-	-	-	1,844,358.00
HP Z232 IPS Display LED Display type: IPS with LED Backlite 03 Years HP Official Warranty	6			PKR 25,786.00							
GIS & RS-03	UPS	30	M/S Kontinental Establishment, Karachi	INFORM TURKEY (900 Watts / 1500VA), Guard Compact Series , Model No GUARD_S 1500AP							
			M/S Rastek Technologies, Karachi	Back-UPS Pro 1500VA UPS Battery Backup & Surge Protector	Item Dropped						
			M/S Texon Technologies, Hyderabad	EMERSON Liebert PSA 1500VA	Item Dropped						
GIS & RS-04	Industrial Drone	1	M/S Rastek Technologies, Karachi	The DJI Phantom 4 Factory package which includes -1x DJI Phantom 4 Aircraft, -3x DJI Intelligent Flight Batteries, -1x Remote Controller W/ Mobile Device Holder 1x 100W Battery charger for both Flight battery and remote controller The Bundle Kit which includes: 1x 64GB SD Card, 1x USB 3.0 SD Card Reader (For video/photo transfer), 1x Surmik Drone Care Kit Pro, 1x Surmik Aerial Remote Controller Neck Strap, 1x Parabolic Antenna Reflector.	USA	1	\$ 1,756.00	104.80	184,028.80	-	184,028.80
			M/S HTech Solutions, Karachi	DJI Matrice M600 Drone configurataion/ Installation	China	1	PKR 1,151,583.00	-	-	-	1,151,583.00
					PKR 35,426.00	-	-	-	35,426.00		
			<b>Sub Total</b>					1	PKR 275,000.00	-	-


*[Handwritten signature]*


*[Handwritten signature]*

*[Handwritten signature]*

As Per Tender			As Per Vendors				Unit Rate	Exchange Rate	Cost in PKR		
Item Code	Name of Equipment	Qty	Vendor Name	Description	Country of Origin	Qty			P-1	P-2	Total
GIS & RS-05	Camera/ Gimble	1	M/S Rastek Technologies, Karachi	DJI Osmo Hand-held Shake-free Outdoor Action Video 4K Camera with Zennuse X3 Gimbal							
			M/S HTech Solutions, Karachi	DJI Zennuse Z30							
GIS & RS-06	Thermal imaging	1	M/S Rastek Technologies, Karachi	FLIR TG165 Spot Thermal Camera						Item Reinvited	
GIS & RS-07	Real Time Kinematics (RTK) GPS SYSTEM	1	M/S Rastek Technologies, Karachi	Dual frequency GNSS RTK surveying South S82 RTK gps base and rover						Item Reinvited	
GIS & RS-08	altimeter / barometer / thermometer	1	M/S Rastek Technologies, Karachi	Life-Tandy Sunroad FR500 Multifunction LCD Digital Altimeter Barometer Compass Thermometer Hygrometer Weather Forecast LED Torch Waterproof Altimeter, Barometer, Thermometer, Hygrometer	USA	1	\$ 50.00	104.80	5,240.00	-	5,240.00
GIS & RS-09	Robotic Total Station	1	M/S Rastek Technologies, Karachi	LEICA TCRA1105+ PRISMLESS ROBOTIC SURVEYING TOTAL STATION							Item Reinvited
GIS & RS-10	Multispectral Radiometers	1	M/S Rastek Technologies, Karachi	3B Scientific U14300 Crookes Radiometer, Giant Size							Item Reinvited
GIS & RS-11	LIDAR	1	M/S Rastek Technologies, Karachi	1000m Waterproof Golf Laser Rangefinder 6X Laser SpDistance Meter Pinseeker 1000m Waterproof Golf Laser Rangefinder 6X Laser Speed DisMeter Pinseeker							Item Reinvited


  
 Mr. Abdul Ghafoor Kandhir,  
 Procurement Manager,  
 USPCAS-W,  
 MUET, Jamshoro


  
 Engr. Muhammad Mashooque Siddiqui  
 Director Procurements  
 University of Sindh

  
 Prof. Dr. B. K. Lashari  
 Project Director  
 USPCAS-W  
 MUET, Jamshoro

Financial Comparative Statement for Procurement of Video Conferencing Equipment of USPCAS-W, MUET, Jamshoro

As Per Tender			As Per Vendors				Unit Rate	Exchange Rate	Cost in PKR				
Item Code	Name of Equipment	Qty	Vendor Name	Description	Country of Origin	Qty			P-1	P-2	Total		
VCE-01	HD Video Conferencing System with camera and CODEC with 1+5 License	2	M/S Amtech	<b>Polycom Group 700</b> 8 way Multi-Point, Samsung camera SPD 1000, DVD recorder, LG/PANASONIC, Sony 60 inch 60W600 LED TV, LED TV Trolley, Table Microphones: HT-D38, Wireless: SEIKAKU hand cordless Microphones, CEER Collar Mics, Digital Audio Sound Craft L*9 channel Mixer, WHARFEDALE pro CPD-1600 Amplifier, WHARFEDA C170 ceiling speakers, Camera Controller/ Quad display DVR	USA		PKR	4,726,800.00	-	-	4,726,800.00		
	HD PTZ Camera with wall Mount kit	6		Testing Training & Installation				PKR	175,500.00	-	-	175,500.00	
	DVD Recorder or built-in recording system	2		<b>Sub Total</b>								4,902,300.00	
	LED TV Screen 60 inch with Moveable wall mount Kit and Stand	4	M/S Amtech	<b>Option: 2</b> <b>Polycom Group 700</b> 8 way, Multi-Point, Polycom PTZ camera, Polycom mic array, Sony 60 inch 60W600 LED TV, LED TV Trolley, DVD recorder LG/PANASONIC, WHARFEDALE pro CPD-1600 Amplifier, WHARFEDA C170 ceiling speakers	USA		PKR	4,083,300.00	-	-	4,083,300.00		
	Table Microphones	10		Testing Training & Installation				PKR	117,000.00	-	-	117,000.00	
	Wireless Microphones	10		<b>Sub Total</b>								4,200,300.00	
	Collar mics	4		M/S Commtel			1(a) HUAWEI TE50 HD codec 1080, VPC620 HD camera(12x), VPM220 wired microphone array 1(b) Multipoint Option for Huawei TE50, TE Series Mini-MCU Universal Transcoding Multipoint Software Option License, TE50 (6V +3A), Sony EVI-H100V Camera, Panasonic DMRES18 - 160GB, LG 60UH651, ITC Audio T-531, HandHeld ITC BARDL- UK 800 MH, ITC BARDL - UK 800 MT, ITC DIGI-SOUND HX 2402, ITC-Audio T-120, ITC T-105 Ceiling Speaker, Sony RM-BR300, Cabling Installation and Commissioning including audio cabling, 1 Year Warranty & Onsite Support One Year Onsite Support with training	China		PKR	8,627,616.00	-	-
	Digital Audio mixer 25 ports, echo cancellation and far end feedback reduction device	2	M/S Technosys		Polycom RealPresence Group Series HD Video Conferencing System with camera and CODEC with 1+5 license (2), Polycom HD PTZ Camera (6), Sony DVD Recorder (2), Sony LED TV 60 Inch (4), 10 Table Microphones (10), Micro Phones (10), Collar Mics (4), TOA Digital Audio Mixer (2), TOA Amplifier (2), TOA ceiling speakers (12), PTZ Optics Controller (2)	USA	PKR			9,065,230.20	-	-	9,065,230.20
	Power Amplifier System	2	M/S Texon Technologies		AVER EVC 350 + 02 additional Licenses, AVER CAM 530, Built in Recording, Orient, HDTZ D - 38, SGDR 880, SGDR 880, Allen Heat GL 2400, Teavey CS 4000, INTERM CS 06	Taiwan	PKR			4,734,444.00	-	-	4,734,444.00
	Ceiling mounted Speakers	12	M/S Kontinental Establishment	AVER EVC 350 + 02 additional Licenses, AVER CAM 530, Built in Recording, Orient, HDTZ D - 38, SGDR 880, SGDR 880, Allen Heat GL 2400, Teavey CS 4000, INTERM CS 06	Taiwan		PKR	5,282,000.00	-	-	5,282,000.00		
Camera Controller	2												
VCE-02	Portable HDD Storage 4TB, Power Type USB Powered only, Features Military-grade shock resistance, SuperSpeed USB 3.1, USB 3.0 compliant / data transfer speeds up to 220MB/s, Advanced shock protection system, Advanced internal hard drive suspension system, Based on military drop-test standards	4	M/S Amtech	• New USB-C connector for next-generation computers • Included USB 3.0 adapter works with PC or Mac • Bus powered for mobile workflows • Drop-, crush- and rain-resistant for all-terrain use	USA		4	PKR	32,760.00	-	-	131,040.00	
			M/S Technosys	Portable HDD			Taiwan	4	PKR	25,740.00	-	-	102,960.00
			M/S Kontinental Establishment	Silicon Power Armor A60, 4TB USB 3.0 Portable HDD Storage 4TB Power Type USB Powered only, Features Military-grade shock resistance, Super Speed USB 3.1, USB 3.0 compliant / data transfer speeds up to 220MB/s advanced shock protection system Advanced internal Hard drive suspension system Based on military drop-test standards"	Taiwan	4	PKR	21,900.00	-	-	87,600.00		
			M/S Texon Technology	Silicon Power 4TB, USB 3.0 Portable HDD Armor A85, Model SP040TBPBHDAR85S3S, Storage 4 TB, Power Type USB Powered only, Features Military-grade shock resistance, super speed USB 3.1, USB 3.0, compliant / data transfer speeds upto 220 MB/s, Advanced shock protection system, Advanced internal hard drive, Suspension system, Based on military drop-test standards. One Year Warranty	Taiwan	4	PKR	28,786.00	-	-	115,144.00		

  
Mr. Abdul Ghafoor Kandhir,  
Procurement Manager,  
USPCAS-W,  
MUET, Jamshoro

  
Engr. Muhammad Mashooq Siddiqui  
Director Procurements  
University of Sindh

  
Prof. Dr. J. K. Lashari  
Project Director  
USPCAS-W  
MUET, Jamshoro



U.S.-Pakistan  
Centers for Advanced Studies in Water



**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Texon Technologies, Hyderabad
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:





**USAID**  
FROM THE AMERICAN PEOPLE

U.S.-Pakistan  
Centers for Advanced Studies in Water




**BIDDERS QUALIFICATION REPORT**


TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Kontinental Establishment, Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:







U.S.-Pakistan  
Centers for Advanced Studies in Water



**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Technosys International, Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:






**BIDDERS QUALIFICATION REPORT**


TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Amtech, Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:





U.S.-Pakistan  
Centers for Advanced Studies in Water



**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Rastek Technologies, Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:





**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Htech Solutions (Pvt) Ltd., Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:





U.S.-Pakistan  
Centers for Advanced Studies in Water




**BIDDERS QUALIFICATION REPORT**

TENDER NAMELY

**“Procurement of Equipment for GIS & Remote Sensing Laboratory and Video Conferencing Equipment”**

1	Name of Procuring Agency	U.S-Pakistan Center for Advanced Studies in Water (USPCAS-W), Mehran University of Engineering & Technology, Jamshoro
2	Tender Reference Number	PM/USPCAS-W/ MUET/JAM/08, Dated: 08-Feb-2017
3	Method of Procurement	Single Stage- Two Envelope
4	Name of Firm/ Bidder	M/s. Commtel Systems, Karachi.
5	Registration with Income Tax Department	Yes
6	Registration with PEC	NA
7	Tender Fee / Cost of Bidding Document	Submitted
8	2 % Earnest Money	Submitted
9	Firm has not been previously Blacklisted by any executing agency	Not Blacklisted
10	All documents / information furnished are true & correct	Yes
11	Complaint / Non-compliant	Compliant

  
(Abdul Ghafoor Kandhir)  
Procurement Manager,  
USPCAS-W  
MUET, Jamshoro

  
(Engr. Muhammad Mashooque Siddiqui)  
Director Procurements  
University of Sindh  
Jamshoro

  
(Prof. Dr. B. K. Lashari)  
Project Director,  
USPCAS-W,  
MUET, Jamshoro

Partnering Universities:

