

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

Annual Procurement Plan

ANNEX #1


Sr. No	Description of Goods	Procurement Method
<b>Lab 2 : Soil and Water Analysis</b>		
1	Particle size analyzer	open competitive bidding
2	Automatic Nitrogen Analyzer	open competitive bidding
3	Neutron probe analyzer	open competitive bidding
4	Soluble Reactive Phosphorous Analyzer (FS 3000, O.I. Analytical)	open competitive bidding
5	Time domain reflectometer for soil moisture measurement	open competitive bidding
6	Pressure plate apparatus	open competitive bidding
7	Vacuum Filters and Centrifuges (GP-8) with a rotor, large buckets and inserts that hold multiple tubes	open competitive bidding
8	Ultra centrifuge (refrigerated)	open competitive bidding
9	Block digesters (including digest tubes)	open competitive bidding
10	Ashing ovens (muffle furnaces)	open competitive bidding
11	Ammonia electrodes and pH-mV meters + extra filling solution and electrode membrane tips	open competitive bidding
12	Water purification (deionizers)	open competitive bidding
13	PURELAB flex	open competitive bidding
14	Dissolved Oxygen (DO) Meter	open competitive bidding
15	Temperature Chamber	open competitive bidding
16	Desiccators	open competitive bidding
17	Orbital Shaker	open competitive bidding
18	Conductivity Meters	open competitive bidding
19	pH Meters	open competitive bidding
20	Soil Moisture Sensors (Surface Tensiometers)	open competitive bidding
21	Water Table Height Sensors	open competitive bidding
22	Soil Temperature Meters	open competitive bidding
23	Air and Water Sampling Pumps	open competitive bidding
24	Soil penetrometer/Augers/ coring tools	open competitive bidding
25	Wick samplers	open competitive bidding

Sr. No	Description of Goods	Procurement Method
26	Infiltration rings	open competitive bidding
27	Chemical and Glasswares (lump sum)	open competitive bidding
28	Operation and Maintenance expenditure (Lump Sum)	open competitive bidding
<b>Lab 3 : Computer and Software</b>		
29	AquaChem	open competitive bidding
30	MODFLOW-SURFACT (Flow and Transport)	open competitive bidding
31	UnSat Suite Plus	open competitive bidding
32	WATMAN - (Water Management Decision Support Software for Canal Systems)	open competitive bidding
33	AWARDS/ET- Toolbox- ( Agricultural Water Resources Decision Support system and EvapoTranspiration Toolbox)	open competitive bidding
34	HEC RAS	open competitive bidding
35	GoldSim: (Engineering and Environmental Simulation Software for Water Resource Applications)	open competitive bidding
36	WaterWare: (Water Resources Management Information System)	open competitive bidding
37	CIMS (Canal Irrigation Management System)	open competitive bidding
38	IRRISOFT	open competitive bidding
39	ANVSIS Fluent CFD Software for 5 year licence	open competitive bidding
40	AQTESOLV (Professional and Academic) Use/Application: Analysis of pumping tests, slug tests and constant-head tests (HydroSOLVE, Inc.)	open competitive bidding
41	GAMS Base Module and GAMS/Solvers (GAMS/CPLEX)	open competitive bidding
42	FLO-2D	open competitive bidding
43	SVFlux 3D - Dam Analysis	open competitive bidding
44	MIKE SHE (Integrated Catchment Modeling Software)	open competitive bidding
45	Computers (25 Nos)	open competitive bidding
46	Laptop	open competitive bidding
47	Laser Printer (Laser Printer color and black)	open competitive bidding
48	Photocopier	open competitive bidding
49	Scanner	open competitive bidding
50	Vensim Software	open competitive bidding

Sr. No	Description of Goods	Procurement Method
51	Computer Softwares (antivirus, acrobat writer etc)	open competitive bidding
52	Air Conditioners, 2 tons(split type)	open competitive bidding
<b>Lab. 4: GIS and Remote Sensing</b>		
53	Work Station (30 Nos)	open competitive bidding
54	Multimedia Stations, video wall 3 x 3 Matrix 55 inch	open competitive bidding
55	Saver station (2 Nos.)	open competitive bidding
56	Laser Printer (13x19 paper feed, photorealistic color )	open competitive bidding
57	Large size scanner , Hp Design Jet 4500 44 inch	open competitive bidding
58	Large format printer design jet Hp Z5200, 44 inch	open competitive bidding
59	Air Conditioners, 2 tons(split type)	open competitive bidding
60	Uninterruptible Power Supply (5 KVA, Dry batteries)	open competitive bidding
61	ERDAS licence	open competitive bidding
62	Arc Map 10.2, single user licence including all extensions	open competitive bidding
63	Super computer Multiprocessor	open competitive bidding
64	GPS RTK Differential	open competitive bidding
65	Hand held GPS	open competitive bidding
<b>Lab. 5: Advanced water and wastewater quality control</b>		
66	Ultra Gas Chromatograph-Mass Spectrometer with EL & PCI and NCI Source (Technology Links)	open competitive bidding
67	SUPPRESSOR type Prominence Ion Chromatograph Dual System (Technology Links)	open competitive bidding
68	FTIR-Fourier Transform Infrared Spectrophotometer (Technology Links)	open competitive bidding
69	Total Organic Carbon Analyzer High Sensitive PC based Combination for Brian Sample Analysis (Technology Links)	open competitive bidding
70	Ultra Pure Air Generator Mod. AirGen TOC, AirGen "Brezza's" Series TOC (Technology Links)	open competitive bidding
71	Multitype ICP Emission Spectrometer ICP-9000 (Technology Links)	open competitive bidding
72	Portable pH meter	open competitive bidding
73	Dissolved Oxygen Meter	open competitive bidding
74	Electric Conductivity Meter	open competitive bidding

Sr. No	Description of Goods	Procurement Method
75	SEM (Scanning Electron Microscope)	open competitive bidding
76	PCR	open competitive bidding
77	Ultra Sonic Oven	open competitive bidding
78	Water Quality Analyzer (Water Logger)	open competitive bidding
79	Incubator	open competitive bidding
80	Laminar Flow Chamber	open competitive bidding
81	Microscope	open competitive bidding
82	Zeta Sizer (particle size analyzer)	open competitive bidding
83	BET Surface Area Analyzer	open competitive bidding
84	Chemical Reagents & Glassware	open competitive bidding
<b>7. HYDRAULICS LABORATORY</b>		
85	Basic Self Contained Flume - 10 Meter (No Electric)	open competitive bidding
1.8)	Powered Jacks for Flumes	open competitive bidding
1.10)	Plate Weirs	open competitive bidding
1.11)	Broad Crested Weirs - (GRP)	open competitive bidding
1.12)	Venturi Flume - (GRP)	open competitive bidding
1.13)	Ogee Weir and Manometer Board - (GRP)	open competitive bidding
1.14)	Dam Spillway Model	open competitive bidding
1.15)	Siphon Spillway	open competitive bidding
1.16)	Syphon Spillway	open competitive bidding
1.17)	Roughened Beds - (GRP)	open competitive bidding
1.18)	Vibrating Pile	open competitive bidding
1.19)	Lift and Drag Balance and Models	open competitive bidding
1.20)	Pitot Tube and Manometer - (GRP)	open competitive bidding
1.21)	Crimp Weirs	open competitive bidding
1.22)	Parshall Flume - (GRP)	open competitive bidding
1.23)	Trapezoidal Flume	open competitive bidding
1.24)	Wave Generator	open competitive bidding
1.25)	Beach	open competitive bidding
1.26)	Zagni Flow Monitoring System	open competitive bidding

Sr. No	Description of Goods	Procurement Method
1.27)	Instrument Carrier	open competitive bidding
1.28)	Velocity Meter and Mounting	open competitive bidding
1.29)	Random Wavemaker c/w software and associated hardware	open competitive bidding
1.30)	Software Control and Data Acquisition Package	open competitive bidding
1.31)	Data Logging & Instrumentation Package	open competitive bidding


  
Procurement Officer

USPCAS-W

MUET, Jamshoro

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


Sr. No	Description of Goods	Procurement Method
1	Office Work Table	open competitive bidding
2	Office Side Table	open competitive bidding
3	Revolving Chair	open competitive bidding
4	Guest Chair	open competitive bidding
5	Filing Cabinet (Steel/wood)	open competitive bidding
6	Generator	open competitive bidding
7	AC	open competitive bidding
8	Photo copier	open competitive bidding
9	Scanner	open competitive bidding
10	Computers	open competitive bidding
11	Laptop	open competitive bidding
12	Printers-Color	open competitive bidding
13	Printers-B&W	open competitive bidding
14	Multimedia	open competitive bidding

  
Procurement Officer  
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Sr. No	Description of Goods	Procurement Method
1	Learning Management Software	open competitive bidding
2	Computer Servers	open competitive bidding
3	Teaching Aids (for classrooms, seminar hall and meeting rooms)	open competitive bidding
<b>AV / Communication Equipment</b>		
4	Video Conferencing System	open competitive bidding
5	Audio/Video Recording System	open competitive bidding
6	Voice Communication System	open competitive bidding

  
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Annual Procurement Plan

Sr. No	Description of Goods	Procurement Method
1	Group Health Insurance	open competitive bidding

  
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