

Tender for Supply of Instrumentation and Process Control Lab Equipment PAF: IAST-CONTROL LAB-CEE-ITB-001-22 opened on 17-01-2023.

Lot # 01: Process Control Plant Trainer

Eligibility:

S.No.	Name of Firm/bidder	Eligibility	Remarks
1.	Technology Links	Eligible	
2.	COSMOS Science Corporation	Eligible	
3.	Electrical Engineering Services	Eligible	
4.	Paktech Instruments Company	Eligible	
5.	Rizvi and Company	Eligible	

Qualification:

S.No.	Name of Firm/bidder	Qualification	Remarks
1.	Technology Links	Qualified	
2.	COSMOS Science Corporation	Qualified	
3.	Electrical Engineering Services	Qualified	
4.	Paktech Instruments Company	Qualified	
5.	Rizvi and Company	Qualified	

Technical Specification Criteria:

S.No.	Name of Firm/bidder	Technical Specification
1.	Technology Links	The equipment has limited experimental capabilities. Step by step procedure of lab experiment and model results are not provided.
2.	COSMOS Science Corporation	Meet technical specifications
3.	Electrical Engineering Services	Specified flowrate range is not mentioned in the brochure of equipment. LCD display is not available on the equipment as per the brochure attached with bid documents.
4.	Paktech Instrument Company	Meet technical specifications
5.	Rizvi and Company	The equipment lacks the SCADA System. Quoted range of the flowrate is less than the minimum required.

Five (05) bids received in response to Lot # 1, Process Control Plant Trainer were evaluated. All five bidders i-e. Technology Links, COSMOS Science Corporation, Electrical Engineering Services, Paktech Instruments Company and Rizvi and Company were found eligible according to basic eligibility criteria of Tender document. All of the bidders meet the minimum qualification (70%).

Technology Links, Electrical Engineering Services, and Rizvi and Company did not meet the tendered specifications.

COSMOS Sciences Corporation and Paktech Instrument Company were found to meet the technical specifications as per tender document.

It is therefore recommended that the financial offers of the said bidder may be opened.

1. Dr. Amir Muhammad

Amir 21-3-2023

2. Dr. Muhammad Aamir

Muham 21/3/23

3. Dr. Haris Shehzad

Haris 21-3/23

4. Dr. Ghufan ur Rehman

Ghufan 21/03/2023

Members Technical Evaluation Committee

Technical Evaluation / Lot # 1, Process Control Plant Trainer

Item	Company	Technology Link		COSMOS Sciences Corporation		Electrical Engineering Services		Paktech Instruments Company		Ravi and Company	
		Compliance	Comments	Compliance	Comments	Compliance	Comments	Compliance	Comments	Compliance	Comments
Process Control Engineering Plant Trainer	PAF-IASST Required Tech Specs	No	The equipment has limited experimental capabilities. Step by step procedure of lab experiment and model results are not provided.	Yes		No	Specified flowrate range is not mentioned in the brochure of equipment. LCD display is not available on the equipment as per the brochure attached with bid documents.	Yes		No	The equipment lacks the SCADA System. Quoted range of the flowrate is less than the minimum required.

Dr. Amir Muhammad *[Signature]*
 21-3-23

Dr. Muhammad Amir *[Signature]*
 21/3/23

Dr. Ghufan ur Rehman *[Signature]*
 21/3/23

Dr. Haris Shehzad *[Signature]*
 21/3/23

Lot # 02: Pneumatic Trainer

Eligibility:

S.No.	Name of Firm/bidder	Eligibility	Remarks
1.	Technology Links	Eligible	
2.	COSMOS Science Corporation	Eligible	
3.	Electrical Engineering Services	Eligible	
4.	Rizvi and Company	Eligible	

Qualification:

S.No:	Name of Firm/bidder	Qualification	Remarks
1.	Technology Links	Qualified	
2.	COSMOS Science Corporation	Qualified	
3.	Electrical Engineering Services	Qualified	
4.	Rizvi and Company	Qualified	

Technical Specification Criteria:





S.No:	Name of Firm/bidder	Technical Specification
1.	Technology Links	Cloud based software is not available with equipment as per the specification given in the brochure.
2.	COSMOS Science Corporation	Meet technical qualifications
3.	Electrical Engineering Services	Cloud based software is not available with equipment as per the specification given in the brochure.
4.	Rizvi and Company	Computer set is not quoted. Electronic solenoids valves are not available in the quoted equipment. Minimum experimental capabilities are not mentioned. Cloud based software is not quoted.

Four (04) bids received in response to Lot # 02: Pneumatic Trainer were evaluated. All four bidders i.e. Technology Links, COSMOS Science Corporation, Electrical Engineering Services and Rizvi and Company were found eligible according to basic eligibility criteria of Tender document. All of the bidders meet the minimum qualification (70%).

Technology Links, Electrical Engineering Services, and Rizvi and Company did not meet the tendered specifications.

COSMOS Sciences Corporation was found to meet the technical specifications as per tender document.

It is therefore recommended that the financial offers of the said bidder may be opened.

1. Dr. Amir Muhammad  21/3/23
2. Dr. Muhammad Aamir  21/3/23
3. Dr. Haris Shehzad  21/3/23
4. Dr. Ghufuran ur Rehman  21/03/23

Members Technical Evaluation Committee

Technical Evaluation / Lot # 2, Pneumatics Trainer

Item	PAF-IASST Required Tech Specs	Technology Links		COSMOS Sciences		Electrical Engineering Services		Hired and Company	
		Compliance	Comments	Compliance	Comments	Compliance	Comments	Compliance	Comments
		No	Yes	No	Yes	No	Yes	No	Yes
Pneumatic Trainer	<p>A pneumatics trainer has to offer a classroom-based resource for practical investigation of pneumatic components and systems. This resource is to be supplied with a curriculum CD containing practical tasks and activities, as well as tutor support materials. The trainer must come with cloud-based software package, which offer online practical tasks as well as interactive theory presentations, investigations and assessments. Typical practical activities include: principles of pneumatics. Components, symbols and circuits. Cylinders, Valves, Speed control, Pneumatic logic functions, Electro-pneumatics. Manual sequential control, Time delays and automatic control, Problem solving, Pneumatic components: pressure regulator, supply pressure gauge, port supply manifold, single acting cylinder, double acting cylinder, double acting cylinder operated door, port valve, port valve (spring return), port valve (spring return), exhaust restrictor, unidirectional flow restrictor, Electro-pneumatic sorter: port pilot valve, inline pressure gauge, shuttle valve, reservoir, 3 electronic solenoid valves, parts dispenser, set of part-sorting sensors (optical and mechanical), part-sorting containers, digital logic connection board. Items included: trainer, Hand operated air compressor, Accessory kit, Power supply, Curriculum disk, Fluid power student resources pack, Cloud-based software package. All other accessories as required to operate the unit in its full capacity.</p> <p>User manual with complete description of unit, installation, commissioning, safety, troubleshooting and maintenance, list of lab experiments, step by step procedure of lab experiments with model results</p> <p>Minimum Experimental Capabilities:</p> <ul style="list-style-type: none"> •Study of Air Filter and Regulator •Study of Hand lever Operated Direction Control Valve •Study of Button Operated Direction Control Valve •Study of Single Acting Cylinder •Study of Double Acting Cylinder •Study of Limit Switch. •Study of Flow Control Valve •Study of Safety Relief Valve. •Study of Pressure Gauge Study of Check Valve <p>PC: Core i5 with 32" display, 11th generation, memory 500GB/SSD, 16 GB RAM</p>	No	Cloud based software is not available with equipment as per the specification given in the brochure.	Yes		No	Cloud based software is not available with equipment as per the specification given in the brochure	No	Computer set is not quoted. Electronic solenoids valves are not available in the quoted equipment. Minimum experimental capabilities are not mentioned. Cloud based software is not quoted.

Dr. Amir Muhammad	<i>[Signature]</i>	21/3/23	Dr. Muhammad Aamir	<i>[Signature]</i>	21/3/23	Dr. Ghofran ur Rehman	<i>[Signature]</i>	21/03/23	Dr. Haris Shehzad	<i>[Signature]</i>	21/3/23
-------------------	--------------------	---------	--------------------	--------------------	---------	-----------------------	--------------------	----------	-------------------	--------------------	---------

L0T # 03: Water Quality Control

Eligibility:

S.No.	Name of Firm/bidder	Eligibility	Remarks
1.	Technology Links	Eligible	
2.	Electrical Engineering Services	Eligible	
3.	Systec Technologies	Eligible	

Qualification:

S.No:	Name of Firm/bidder	Qualification	Remarks
1.	Technology Links	Qualified	
2.	Electrical Engineering Services	Qualified	
3.	Systec Technologies	Qualified	

Technical Specification Criteria:

S.No:	Name of Firm/bidder	Technical Specification
1.	Technology Links	Meet technical qualifications.
2.	Electrical Engineering Services	Meet technical qualifications
3.	Systec Technologies	Meet technical qualifications

Three (03) bids received in response to L0T # 03. Water Quality Control were evaluated. All three bidders i.e. Technology Links, Electrical Engineering Services and Systec Technologies were found eligible according to basic eligibility criteria of Tender document. All the bidders meet the minimum qualification (70%).

All bidders were found to meet the technical specifications as per tender document.

It is therefore recommended that the financial offers of the said bidder may be opened.

1. Dr. Amir Muhammad

2. Dr. Muhammad Aamir

3. Dr. Haris Shehzad

4. Dr. Ghufran ur Rehman

Amir = 21-3-23
Muhammad Aamir = 21-3-23
Haris = 21/3/23
Ghufran = 21/3/23

Members Technical Evaluation Committee

(7)

LOT # 04: Process Variables Control**Eligibility:**

S.No.	Name of Firm/bidder	Eligibility	Remarks
1.	Technology Links	Eligible	
2.	COSMOS Science Corporation	Eligible	
3.	Electrical Engineering Services	Eligible	
4.	Paktech Instrument Company	Eligible	
5.	Rizvi and Company	Eligible	
6.	Systec Technologies	Eligible	

Qualification:

S.No:	Name of Firm/bidder	Qualification	Remarks
1.	Technology Links	Qualified	
2.	COSMOS Science Corporation	Qualified	
3.	Electrical Engineering Services	Qualified	
4.	Paktech Instrument Company	Qualified	
5.	Rizvi and Company	Qualified	
6.	Systec Technologies	Qualified	

Technical Specification Criteria:

S.No:	Name of Firm/bidder	Technical Specification
1.	Technology Links	Meet technical specifications
2.	COSMOS Science Corporation	Required flowrate range is not met by the quoted equipment
3.	Electrical Engineering Services	System description is not given. As per the brochure the equipment lacks built-in LED display.
4.	Paktech Instrument Company	Meet technical specifications
5.	Rizvi and Company	Level Control: Centrifugal pump specs are not met Temperature Control: Thermal response and stability data are not mentioned in the quoted specs.
6.	Systec Technologies	Meet technical specifications





Six (06) bids received in response to LOT # 04: Process Variables Control were evaluated. All six bidders i.e. Technology Links, COSMOS Science Corporation, Electrical Engineering

Services, Paktech Instrument Company, Rizvi and Company and Systec Technologies were found eligible according to basic eligibility criteria of Tender document. All of the bidders meet the minimum qualification (70%).

COSMOS Science Corporation, Electrical Engineering Services and Rizvi and Company did not meet the tendered specifications.

Technology Links, Paktech Instrument Company and Systec Technologies were found to meet the technical specifications as per tender document.

It is therefore recommended that the financial offers of the said bidder may be opened.

1. Dr. Amir Muhammad  21-3-23
2. Dr. Muhammad Aamir 
3. Dr. Haris Shehzad  21/3/23
4. Dr. Ghufuran ur Rehman  21/3/23

Members Technical Evaluation Committee

Tender for Supply of Instrumentation and Process Control Lab Equipment PAF: IAST-CEE-ITB-001-22 opened on 17-01-2023.

Lot # M: Lot # 5-Furniture and Miscellaneous items LAB-CEE-ITB-001-22

Eligibility:

S.No.	Name of Firm/bidder	Eligibility	Remarks
1.	Systec Technologies	Eligible	

Qualification:

S.No.	Name of Firm/bidder	Qualification	Remarks
1.	Systec Technologies	Qualified	

Technical Specification Criteria:

S.No.	Name of Firm/bidder	Technical Specification
1.	Systec Technologies	Meet technical specifications

Only one bid was received in response to Lot # 5 Furniture and Miscellaneous items, the bid was evaluated. M/S Systec was found eligible and qualified according to the basic eligibility and qualification criteria as mentioned in bid document. Furthermore, the qualified bidder also meets technical tendered specifications.

It is therefore recommended that the financial offers of the said bidder may please be opened.

1. Dr. Amir Muhammad

2. Dr. Muhammad Aamir

3. Dr. Haris Shehzad

4. Dr. Ghufraan ur Rehman

5. Dr. Fida Hussain