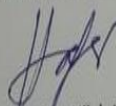



**Financial comparative statement for the Modern Physics Lab. stuff for the Institute of Physics**  
**Dated: 08-01-2021**

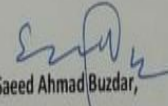
Sr. No.	Item No.	Items	Quantity	Supplier	Specifications	Amount PKR
1	1	Survey Meter	1	m/s Muhammad Zahid Enterpriser	Measurement and display in $\mu\text{Sv/h}$ or $\text{mrem/h}$ , dose measurement indication and detect radioactive radiation (alpha, beta, gamma), Measurement range: 1 $\mu\text{Sv/h}$ to 10 Sv and X-rays $\text{CuK}\alpha$ radiation.	265100
	2	Radiation Protection Apron	2		Radiation-shielding apron, consists of fluid-resistant outer covering encasing thin sheet of lead (Pb) or lead-equivalent material.	
	3	Radiation Monitoring Badges	2		Large display makes, allow quick analysis of measurement, no special setting, reusable	

**Justification for purchase of Modern Physocs Lab's stuff based on single quotation**

It is stated that aforementioned items were demanded by the institute of Physics, IUB. There is only one supplier capable of providing relevant goods, works or services. No other vender has responded to published calls for quotations. On technical assessment, the specifications of quoted items were exactly same as demanded. Therefore, the institutional purchase committee recommends the procurement of the aforementioned items.

  
**Dr. Hafeez Ullah Janjua,**  
 Associate Professor,  
 Institute of Physics,,  
 (Member)

  
**Dr. Faisal Iqbal,**  
 Associate Professor,  
 Institute of Physics,  
 (Member)

  
**Prof. Dr. Saeed Ahmad Buzdar,**  
 Director,  
 Institute of Physics,  
 (Chairman).



## The Islamia University of Bahawalpur

### Department of Plant Pathology

**Subject:** Sanction of Rs. 938637/- to Weather Station for Department of Plant Pathology

It is stated that the tender regarding the procurement of Weather Station at Department of Plant Pathology. Technical Quotations were opened on 11.12.2020 at 11:30 AM in the office of Chairman SMPC, Department of Chemistry, Baghdad-UI-jadeed Campus, The Islamia University of Bahawalpur. After comparison of technical Specifications, the list of selected items from different vendors was uploaded on relevant websites. On opening the Financial Quotations 28.12.2020 at 11.30 AM from different vendors the prices of financially selected items were taken which are given below:

Sr #	Item	Company name	Price
1	<p><b><u>DIGITAL WEATHER STATION</u></b></p> <p><b>Technical Specifications:</b>            Base unit, Internet based logger, battery 4.5AH, 1.4 Watt solar panel, GS', GPRS, UMTS based, logger, mounting brackets</p> <p><b>Sensors Layout</b></p> <ul style="list-style-type: none"> <li>▪ 3 fixed analogue inputs: wind speed, leaf wetness and rain gauge</li> <li>▪ 5 digital inputs: automatic sensor recognition, supporting sensor chains</li> </ul> <p>Built-in Memory : 8MB flash            Internet Connectivity : GSM - GPRS, EDGE, UMTS            Alert/Early warnings : SMS on user configurable/selectable thresh holds            Dimensions without sensors : 41 cm L x 13 cm W x 7 cm H            Weight without sensors : 2.2 kg            Measuring interval : 5 minutes            Logging interval : 15 – 120 min (user selectable)</p>	Farm Dynamics Pakistan (Pvt) Ltd	796269/-

Internet contact : Every  
hour to once in 24 hours (*user  
selectable*)

Battery : 6V,  
4.5AH,

Operating range : -35°C to  
80°C

Solar panel Dimensions : 13.5 x  
13.5 cm, 1.4 Watt solar panel

Origin of the equipment : European

Complete with

1) Physical Sensors for:

- Wind speed
- Air Temperature
- Relative humidity
- Global Solar Irradiation
- Rain fall
- GPS

2) Virtual sensors:

- Daily ETo
- Vapor Pressure Deficit
- Delta T

Prices should be inclusive of the above  
mentioned based station, sensors and

- Cloud Data Storage
- Mobile App
- Web App
- Weather Forecast Service (for 1<sup>st</sup>  
year)
- Annual Work Planning Service
- Optional Provision:
  - Disease model for over 80  
diseases of over 30 different  
crops

Sensor	Technical Details
Air Temperature Sensor	Temperature sensor: SMT 160-30

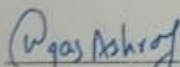
		Temperature sensor resolution: 0.1°C Temperature sensor accuracy: $\pm 0.5^{\circ}\text{C}$		
	Relative Humidity sensor	Relative humidity sensor: HC 103 Relative humidity sensor resolution: 1% Relative humidity accuracy 25% - 90%: 3%		
	Rain Gauge	Rain gauge resolution: 0.2mm Rain gauge max rain reporting 12 mm/min Rain gage accuracy: $\pm 5\%$		
	Global Radiation (Solar irradiation)	Global radiation sensor range: 0 ñ 2000 W/m <sup>2</sup> Global radiation sensor resolution: 1 W/m <sup>2</sup> Global radiation sensor response area: 320 nm 1,100 nm Global radiation sensor accuracy: $\pm 5\%$		
	Wind Speed	Wind speed Range: 0 - 40 m/s Wind speed Gust Survival: 60 m/s Wind speed Anemometer Threshold: 1.4 m/s		
	<ul style="list-style-type: none"> <li>○ <b>Weather Forecast:</b> Site specific Weather forecast for 7 days (measured on hourly basis)</li> <li>○ <b>Early-warnings/alerts:</b> Automatic alerts, whenever the user set thresholds are over or under-passed (e.g. for Temperatures, Wind speed etc.),</li> <li>○ <b>Frost Monitoring:</b> Frost alerts can be sent to different mobile phone numbers</li> <li>○ <b>Disease model(optional):</b> Diseases can reduce plant quality and yield, and pesticides add significant input costs. Decision-making aids/tools may be provided by proven plant disease models for over 80 diseased of over 30 different crops</li> </ul>			

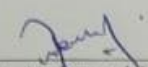
	○ The station can handle up to 400 sensors through the intelligent sensor bus system. The system is extremely reliable due to a non-volatile internal memory and can store more than 1 year of logged data (even without uploading the data on server)		
	• Leaf Wetness Sensor (IM521CD)		79562/- including Tax
	• Ultra Sonic Wind direction Sensor		40804/-
	• Disease module (cotton crop per season)		31922/-
	• Disease module (wheat crop per season)		31922/-
		<b>Total</b>	<b>980479/-</b>

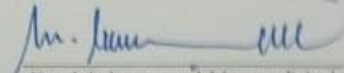
The amount of Rs. 980479/- for the purchase of these items will be met from the funds provided by Project Budget. It is therefore requested that the above given amount may kindly be sanctioned for the purchase of these items.

**Note:**

- 1) Above mentioned Prices are inclusive of all Govt. taxes, Installation & Operator's Training (Ex-Site the Islamia University Bahawalpur basis)
- 2) Warranty: One (01) year for any manufacturing defects as per manufacturer's warranty

  
Dr. Waqas Ashraf  
Member

  
Ms. Amreen Maqsood  
Member

  
Dr. Muhammad Naveed Aslam  
Chairman



**The Islamia University of Bahawalpur**

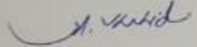
Faculty of Engineering

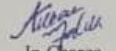
**Procurement of Equipment for Civil Engineering Department**

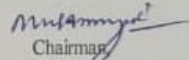
**Financial Evaluation of the Firms for Tender-C (Environmental Engineering Laboratory) IPB-996**

Sr. No.	Items	Qty.	Muhammad Zahid Enterprises
			Amount
1	COD Photometer	1	642,775
2	Multiparameter Photometer	1	325,300
3	Lab. Magnetic stirrers with hot plate	1	168,300
4	Desiccator	1	9,945
5	Digital Noise Meters	1	7,750
6	Lab. Refrigerator	1	260,100
7	Washing Bottles	1	390.00
		Grand Total	Rs 1,414,560

  
Secretary  
Technical Committee

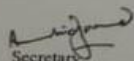
  
Assistant Professor  
Civil Engineering Department

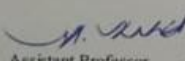
  
In-Charge  
Civil Engineering Department


  
Chairman  
Technical Committee

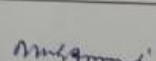
**The Islamia University of Bahawalpur**  
Faculty of Engineering  
Procurement of Equipment for Civil Engineering Department  
Financial Evaluation of the Firms for Tender-D (Workshop Practice) IPB-996

Statement of the Prices for Tender-D (Workshop Practice) IPB-996				
Sr. No.	Items	Qty.	M/S Muhammad Zahid Enterprises	
			Unit Rate	Amount
	<b>EQUIPMENT</b>			
1	Electric Hand Planer	1		
2	Hand drill machine	1	87,210	87,210
3	Band saw	1	24,786	24,786
4	Surface planner	1	216,495	216,495
5	Thickness planner	1	148,410	148,410
6	Wood turning lathe	1	172,840	172,840
			283,050	283,050
			<b>Total amount (1-6)</b>	<b>932,791</b>
	<b>WORKSHOP TOOLS</b>			
1	Cross cut saw	10		
2	Rip Saw	10	1,989	19,890
3	Tenon saw	10	1,889	18,890
4	Smoothing plane	10	1,880	18,800
5	Firmer chisel	10	13,617	136,170
6	Mortise chisel	10	459	4,590
7	Claw hammer	10	734	7,340
8	Marking gauge	5	730	7,300
9	Combination set	2	459	2,295
10	Steel ruler	10	5,355	10,710
11	Divider	10	91	910
12	Carpenter bench vise	20	306	3,060
13	Outside caliper	10	4,284	85,680
14	Insider caliper	10	250	2,500
15	Vernier height gauge	1	250	2,500
16	Vee block	2	985	985
17	Center punch	10	3,825	7,650
18	Scriber	15	429	4,290
19	Dot punch	10	418	6,270
20	Flat chisel	6	429	4,290
21	Toolbox	10	1,071	6,426
22	Micrometer	5	4,437	44,370
23	Surface plate	1	3,835	19,175
24	Anvil	1	16,065	16,065
25	Bench vise	20	8,415	8,415
26	Gauge	1	6,990	139,800
27	Flat file	10	750	750
28	Half Round file	10	4,284	42,840
29	Round file	10	2,387	23,870
30	U-Clamp	2	2,180	21,800
31	C-Clamp	2	965	1,930
32	Angle plate	1	965	1,930
33	File brush set	1	4,190	4,190
			1,487	1,487
			<b>Total Amount (1-33)</b>	<b>677,168</b>

  
Secretary,  
Technical Committee

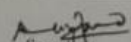
  
Assistant Professor  
Civil Engineering Department

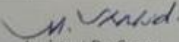
  
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Civil Engineering Department

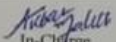
  
Chairman,  
Technical Committee

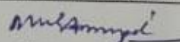
**The Islamia University of Bahawalpur**  
Faculty of Engineering  
Procurement of Equipment for Civil Engineering Department  
Financial Evaluation of the Firms for Tender-D (Workshop Practice) IPB-996

Financial Evaluation of the Firms for Tender-D (Workshop Practice) II B-270					
Sl. No.	Items	Qty.	AL-Jannat Enterprises	Muhammad Zahid Enterprises	1st Lowest Evaluated Bidder
			Unit Rate	Unit Rate	
	<b>EQUIPMENT</b>				
1	Electric Hand Planer	1	89,230	87,210	Muhammad Zahid Enterprises
2	Hand drill machine	1	25,990	24,786	Muhammad Zahid Enterprises
3	Band saw	1	226,800	216,495	Muhammad Zahid Enterprises
4	Surface planner	1	159,305	148,410	Muhammad Zahid Enterprises
5	Thickness planner	1	197,500	172,840	Muhammad Zahid Enterprises
6	Wood turning lathe	1	288,981	283,050	Muhammad Zahid Enterprises
	<b>WORKSHOP TOOLS</b>				
1	Cross cut saw	1	2,050	1,989	Muhammad Zahid Enterprises
2	Rip Saw	1	1,987	1,889	Muhammad Zahid Enterprises
3	Tenon saw	1	1,980	1,880	Muhammad Zahid Enterprises
4	Smoothing plane	1	14,715	13,617	Muhammad Zahid Enterprises
5	Firmer chisel	1	667	459	Muhammad Zahid Enterprises
6	Mortise chisel	1	875	734	Muhammad Zahid Enterprises
7	Claw hammer	1	887	730	Muhammad Zahid Enterprises
8	Marking gauge	1	675	459	Muhammad Zahid Enterprises
9	Combination set	1	5,867	5,355	Muhammad Zahid Enterprises
10	Steel ruler	1	109	91	Muhammad Zahid Enterprises
11	Divider	1	475	306	Muhammad Zahid Enterprises
12	Carpenter bench vise	1	4,788	4,284	Muhammad Zahid Enterprises
13	Outside caliper	1	367	250	Muhammad Zahid Enterprises
14	Insider caliper	1	367	250	Muhammad Zahid Enterprises
15	Vernier height gauge	1	1,187	985	Muhammad Zahid Enterprises
16	Vee block	1	4,488	3,825	Muhammad Zahid Enterprises
17	Center punch	1	587	429	Muhammad Zahid Enterprises
18	Scriber	1	521	418	Muhammad Zahid Enterprises
19	Dot punch	1	581	429	Muhammad Zahid Enterprises
20	Flat chisel	1	1,395	1,071	Muhammad Zahid Enterprises
21	Toolbox	1	4,849	4,437	Muhammad Zahid Enterprises
22	Micrometer	1	4,109	3,835	Muhammad Zahid Enterprises
23	Surface plate	1	18,670	16,065	Muhammad Zahid Enterprises
24	Anvil	1	9,981	8,415	Muhammad Zahid Enterprises
25	Bench vise	1	8,110	6,990	Muhammad Zahid Enterprises
26	Gauge	1	810	750	Muhammad Zahid Enterprises
27	Flat file	1	5,125	4,284	Muhammad Zahid Enterprises
28	Half Round file	1	3,358	2,387	Muhammad Zahid Enterprises
29	Round file	1	2,910	2,180	Muhammad Zahid Enterprises
30	U-Clamp	1	1,000	965	Muhammad Zahid Enterprises
31	C-Clamp	1	1,170	965	Muhammad Zahid Enterprises
32	Angle plate	1	5,700	4,190	Muhammad Zahid Enterprises
33	File brush set	1	1,785	1,487	Muhammad Zahid Enterprises

  
Secretary  
Technical Committee

  
Assistant Professor  
Civil Engineering Department

  
In-Charge  
Civil Engineering Department

  
Chairman  
Technical Committee



**No Firm Partispate in this tender**



**The Islamia University of Bahawalpur, Pakistan**  
University College of Agriculture & Environmental Sciences  
Department of Entomology  
E-mail: [entomology@iub.edu.pk](mailto:entomology@iub.edu.pk), Ph: 062-9255471, Fax: 062-9250232

Annexure A

Comparative financial statement for the purchase of lab equipment in Department of Entomology, UCA&ES

Sr.	Items	Qty.	Premier Scientific Technologies	Pakistan Analytics Supply	Advance System
1	Binocular Compound Microscope	1	Rs. 120,000/-	Rs. 87,750/-	Rs. 168,480/-
2	Grain Moisture Meter	1	Rs. 249,000/-	Nil	Nil
3	Horizontal Drying Oven	1	Rs. 269,000/-	Nil	Nil

**Remarks:** The Technical Committee analyzed the comparative statement and found that Binocular Compound Microscope may be purchased from the lowest bid i.e. Pakistan Analytics Supply while Grain Moisture Meter and Horizontal Drying Oven may be purchased from the lowest bid i.e. Premier Scientific Technologies. The budget allocated for the purchase of above mentioned three items is Rs. 555,000 less than the quoted price. Therefore it is requested that the same amount may kindly be adjusted from some other head.

**Dr. Muhammad Waqar Hassan**  
Associate Professor  
Member/Convener

**Dr. Muhammad Aslam Farooqi**  
Assistant Professor  
Member

**Dr. Bushra Saddiq**  
Lecturer  
Member

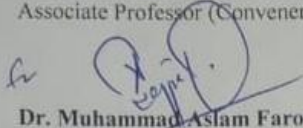


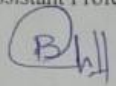
**The Islamia University of Bahawalpur, Pakistan**  
University College of Agriculture & Environmental Sciences  
Department of Entomology

E-mail: [entomology@iub.edu.pk](mailto:entomology@iub.edu.pk), Ph: 062-9255471, Fax: 062-9250232

**DEPARTMENTAL PURCHASE COMMITTEE**

**Dr. Muhammad Waqar Hassan**  
Associate Professor (Convener)

  
**Dr. Muhammad Aslam Farooqi**  
Assistant Professor (Member)

  
**Dr. Bushra Saddiq**  
Lecturer (Member)

**Endorsement by:**

**SCIENTIFIC MATERIAL PURCHASE COMMITTEE**

**Prof. Dr. Muhammad Ashraf**  
Chairman

**Eng. Prof. Dr. Muhammad Amjad**  
Member

**Prof. Dr. Qaiser Jabeen**  
Member

**Dr. Abdul Qayyum**  
Member

**Dr. Muhammad Nafees**  
Member

**Mr. Muhammad Bilal**  
Member/Secretary

# Financial assessment report for the Equipments at the Institute of Physics (IPB-996/G)

Sr. No.	Item No.	Items	Quantity	Supplier	Specifications	Price	Remarks
1	1	Triple Grating Spectrometer/ Monochromator IHR320 core3 with 510-04-120, 510-05-120, 510-21-120, MSL-13FN7, MSL-13FX7	1	m/s Divine Business Allied Corporation	Monochromator/Spectrometer with triple grating turret, wavelength range covered by gratings is from UV to 4500 nm, with one entrance and two exit slits	50,855USD C & F basis	Accepted on C & F Basis
		Accessories					
	(i)	808 nm fiber coupled Laser with FIB-100NIR-SMA-2	1		Wavelength 808 nm, Power 450 mW, including fiber cable		
	(ii)	White light Source with LPS-QTH	1		Halogen light source in LSH series housing with regulated power supply		
	(iii)	InSb Detector, DSS-ISO20L with 1427C, J30646, BNC-T adapter	1		InSb Detector having round window 3-4mm, Liquid Nitrogen cooled, including housing for the detector, including required power supply		
	(iv)	Lock in Amplifier CLI-SR810 with SpectraACQ3	1		DSP-Lock in Amplifier with Spectra ACQ3 for data acquisition, including all cables		
	(v)	Optical Frequency Chopper System	1		Free optical chopper system including its base to be mounted on optical table.		
	(vi)	Optical Table	1		Optical Table, 1 m x 2 m x 210 mm, with 700 mm Tall Active Isolator Legs.		
	(vii)	Software	1		Synergy JY software to control the whole unit.		
	(viii)	Miscellaneous			4 main leads and 2 USB cables		
2	1	Triple Grating Spectrometer/ Monochromator	1	m/s Proficient Engineers	Monochromator/Spectrometer with triple grating turret, wavelength range covered by gratings is from UV to 4500 nm, with one entrance and two exit slits	43,475 GBP C & F basis	Rejected due to high price
		Accessories					
	(i)	808 nm fiber coupled Laser	1		Wavelength 808 nm, Power 450 mW, including fiber cable		
	(ii)	White light Source	1		Halogen light source with housing including regulated power supply		
	(iii)	InSb Detector,	1		InSb Detector having round window 3-4mm, Liquid Nitrogen cooled, including housing for the detector,		

*Zahida H/s*  
3/12/2020

*Zahida*

*[Signature]*



(iv)	Lock in Amplifier	1		including required power supply		
(v)	Optical Frequency Chopper System	1		DSP-Lock in Amplifier, including all cables		
(vi)	Optical Table	1		Free optical chopper system including its base to be mounted on optical table.		
(vii)	Software	1		Optical Table, 1 m x 2 m x 210 mm, with 700 mm Tall Active Isolator Legs.		
(viii)	Miscellaneous			BENWIN_Plus software to control the whole unit.		
				4 main leads and 2 USB cables,		

*Zahida*  
31/12/2020

**Dr. Zahida Batool,**  
Assistant Professor,  
Institute of Physics,  
(Principle Investigator)

*Hafiz*

**Dr. Hafeez Ullah Janjua,**  
Associate Professor,  
Institute of Physics,,  
(Member)

*for Zahida*

**Dr. Faisal Iqbal,**  
Associate Professor,  
Institute of Physics,  
(Member)

*Saeed*

**Prof. Dr. Saeed Ahmad Buzdar,**  
Director,  
Institute of Physics,  
(Chairman).

**DIRECTOR**

**Institute of Physics**  
**The Islamic University of Bahawalpur**



# The Islamia University of Bahawalpur

## INSTITUTE OF PHYSICS

No. 1042/ICP

Dated: December 31, 2020

**Subject: - Order for Equipment Purchase on C & F Basis**

**Divine Business Allied Corporation,**

Office No.01, 2<sup>nd</sup> Floor, Al-Rafay Mall Plaza,

Near Joray Pull Chowk, Zarar Shaheed Road, Lahore-54810.

Tel: +92-42-36632755

Fax: +92-42-36632737

Cell/Whatsapp: +92-300-2696620

Email: [majeed@dbacorporation.com.pk](mailto:majeed@dbacorporation.com.pk)

[sales@dbacorporation.com.pk](mailto:sales@dbacorporation.com.pk)

Sr. No.	Item No.	Items	Quantity	Supplier	Total order
1	1	Triple Grating Spectrometer/ Monochromator IHR320 core3 with 510-04-120, 510-05-120, 510-21-120, MSL-13FN7, MSL-13FX7	1	m/s Divine Business Allied Corporation	50,855USD on C & F basis
		<b>Accessories</b>			
	(i)	808 nm fiber coupled Laser with FIB-100NIR-SMA-2	1		
	(ii)	White light Source with LPS-QTH	1		
	(iii)	InSb Detector, DSS-ISO20L with 1427C, J30646, BNC-T adapter	1		
	(iv)	Lock in Amplifier CL1-SR810 with SpectraACQ3	1		
	(v)	Optical Frequency Chopper System	1		
	(vi)	Optical Table	1		
	(vii)	Software	1		
	(viii)	Miscellaneous			

*Zahida*  
31/12/2020  
**Dr. Zahida Batool,**  
Assistant Professor,  
Institute of Physics,  
(Principle Investigator)

**Dr. Hafeez Ullah Janjua,**  
Associate Professor,  
Institute of Physics,,  
(Member)

*Zahida*  
**Dr. Faisal Iqbal,**  
Associate Professor,  
Institute of Physics,  
(Member)

*Saeed*  
**Prof. Dr. Saeed Ahmad Buzdar,**  
Director,  
**DIRECTOR**  
Institute of Physics  
The Islamia University of Bahawalpur  
(Chairman).