



Subject: Evaluation of technical Quotation for tender-A/2019- Laboratory Equipments, Chemicals and Glassware for the Department of Horticultural Science (opened 01-08-2019)

It is stated that a tender was floated by The Islamia University of Bahawalpur for the procurement of laboratory equipment for the Department of Horticultural Sciences-UCA & ES (tender- A/2019). The scientific material purchase committee (SMPC) of the university in its meeting held on 01/08/2019 opened the technical proposals. The technical committee of the Department in its meeting held on 01/08/2019 evaluated the technical proposals. The recommendations of the committee are as under:

Sr. No.	Name of item	Supplier	Model/Make	Status	Remarks
1	DIGITAL AUTOCLAVE Specification Dimension: External dimension should not less than 520 x 612 x 1070 mm (Lx W x H and minimum internal chamber dimension should be 370 x 510 mm and volume capacity should not less than 80 liters with weight about 80kg. Temperature: Max. Temperature & Pressure 135°C/0.24MP with scope of temperature 40-135°C. Sterilizing Temperature, Melt Temperature, and Warming Temperatures should be 105-135°C, 60-100°C and 40-60°C or better. Time Set Scope: Sterilizing, melt: 0 minute to 4 hours; continuous warm, 72 hours; preset sterilizing time: 1 to 99 hours. Microprocessor control, figure display. Operation model: Sterilizing; Sterilizing-Keeping warm; C. Melt-Keeping warm; D. Setting parameters. Exhaust way: All exhaust, micro exhaust.	Musaji Adam & Sons	FD-80A	Rejected	Not according to specification
		Pak Fill Technologies	BKQ-B75H	Rejected	Not according to specification
		STC	MaXterite 82	Rejected	Incomplete documentation
		SKN Technologies	AES-110, 110I	Rejected	Incomplete documentation
		Shalimar Scientific Stores	SH-AC 80	Rejected	Not according to specification
		UM Enterprises	ST-85G	Rejected	Not according to specification
		Vision Sci. Corporation	ST-85G	Rejected	Not according to specification
		Rays Technologies	TTAC-702	Rejected	Not according to specification

	<p>Cooling device: Independent air cooling system makes cooling fast.</p> <p>Safety device: Pressure safety valve, dry burning prevention, safety interlock, hatch cover close checking system, overpressure detection, over temperature detection, Residual current circuit breaker. Single phase AD 220V, 50-60Hz.</p> <p>Accessories: Standard model: water-stop sheet, discharge hose, stainless steel basket, And collection bottle for phlegm. These or better specifications and Manufactured in USA/UK/Europe</p>	S.U. Enterprises	RTA-85	Selected	According to specification
2	<p>Laminar Flow Cabinet With All Accessories</p> <p>Design completely as per standard biosafety cabinet-II, High performance HEPA filter removes 99.999% of 0.3um particles, UV lamp for sterilization and day light lamp, Tempered safety glass sliding door for protection from UV exposure, PL (product liability) , Gasses and vacuum controller, 850°C loop sterilization, Easy to replace filter from the panel, Socket for lab appliances, Centrifugal speed controlled centrifugal blower, Front PA sheet sash, Silent vibration, Corrosion resistant stainless steel working table, Power supply 220- 240VAC-50Hz. These or better specifications and Manufactured in USA/UK/Europe</p>	Musaji Adam & Sons	<u>SW-CJ-2D</u>	Rejected	Not according to specification
		Pak Fill Technologies	BAVnp-01	Rejected	Incomplete documentation
		STC	BO-120PP	Rejected	Incomplete documentation
		SKN Technologies	BCS-1300IIA2-X	Rejected	Incomplete documentation
		Shalimar Scientific Stores	LN 90 Nuve	Rejected	Not according to specification
		Vision Sci. Corporation	BC=01H	Selected	According to specification
		Rays Technologies	HD-1220-U	Selected	According to specification
		S.U. Enterprises	RTVL1312	Selected	According to specification
3	SUSPENSION SHAKER	Musaji Adam &	SK-0330-	Rejected	Not according to

	<p>Bench top multi-function suspension shaker for shaking modes in reciprocating /orbital & mix motions during various laboratory applications. Digital LCD display with microprocessor control Multi-function shaking modes. Brushless DC motor for smooth shaking. Good shaking speed with high range of timer and Good load capacity. Dimensions (mm) should be $\geq 320 \times 350 \times 145$. Base platform size (mm): $\geq 270 \times 240$ Programmable, LCD display with Universal Platform with AC80V~240V, 50/60Hz power supply. Accessories with adjustable bars for diverse and unconventional flasks volumes. These or better specifications and Manufactured in USA/UK/Europe</p>	Sons	<u>Pro</u>		specification
		Pak Fill Technologies	LSI-MINI	Selected	According to specification
		STC	SP2000	Rejected	Incomplete documentation
		SKN Technologies	---	Rejected	Incomplete documentation
		Shalimar Scientific Stores	SHO-2D	Rejected	Not according to specification
		UM Enterprises	OS-3000	Rejected	Not according to specification
		Vision Sci. Corporation	SK-O330-Pro	Rejected	Not according to specification
		Rays Technologies	OS-10	Selected	According to specification
		S.U. Enterprises	RTSK-0300	Selected	According to specification
4	<p style="text-align: center;">MICROSCOPE</p> <p>Eyepieces EWF10x/20 mm Head: Binocular version with Siedentopf 30° inclined tubes. Interpupillary distance 47-76 mm with diopter adjustment on left eyepiece Nosepiece: Revolving quintuple reversed osepiece on ball bearings. Objectives: E-Plan EPL 4x/0.10, 10x/0.25, S40x/0.65, S100x/1.25 oil-immersion DIN objectives. All optical parts are anti-fungus treated. Stage should be ≥ 40 mm x 160 mm Condenser: In height adjustable Abbe N.A. 1.25 condenser</p>	Musaji Adam & Sons	<u>B-192</u>	Selected	According to specification
Pak Fill Technologies	MBL2000	Rejected	Not according to specification		
STC	Lx500LABO MED	Rejected	Incomplete documentation		
SKN Technologies	MBL-2000-PL-PH-LED	Rejected	Incomplete documentation		
Shalimar Scientific Stores	IS-1152	Selected	According to specification		
Rays Technologies	CX23Olympus	Selected	According to specification		

	<p>with opening for optional sliders</p> <p>Focusing adjustment: Coaxial coarse and fine adjustments, 2µm precision, 20 mm travel range. Rack-stop for protection of slides and objectives. Friction adjustment.</p> <p>Illumination and power supply: Diascopic intensity adjustable 3W NeoLED™ illumination with internal 100V-240V power supply (CE)</p> <p>iCare Sensor: The unique iCare Sensor is developed to avoid unnecessary loss of energy. The illumination of the microscope automatically switches off when the microscopist steps away from his position.</p> <p>CSS - Cable Storage System: The Cable Storage System of the iScope allows the user to practically insert the power cable into the backside of the instrument, which enables easy storage. Packaging: Delivered with power cord, 500 mA 250V spare fuse and dust cover.</p> <p>These or better specifications and Manufactured in USA/UK/Europe</p>	S.U. Enterprises	IS.1052-EPL	Selected	According to specification
5	<p>WATER DISTILLATION APPARATUS</p> <p>All glass 4 liters per hour capacity of distilling water. Quartz glass heater. Fully automatic operation like cut off upon water shortage. Power 220VAC-50HZ.</p> <p>These or better specifications and Manufactured in USA/UK/Europe</p>	Musaji Adam & Sons	<u>ECO-MS</u>	Selected	According to specification
		Pak Fill Technologies	-	Rejected	Not according to specification
		STC	WCA004.M H1.4	Rejected	Incomplete documentation
		SKN Technologies	-----	Rejected	Incomplete documentation
		Shalimar Scientific Stores	710	Rejected	Not according to specification
		Rays Technologies	IM-50	Rejected	Not according to specification

		S.U. Enterprises	WSE/4S	Selected	According to specification
6	<p align="center">ARTIFICIAL GROWTH ROOM/ CHAMBER</p> <p>Intelligence Growth Chamber is a biological experimentation instrument which takes advantage of illumination plus automatically day and night shifting program to keep a constant temperature & humidity. The instrument could be used in various areas such as seed germination, seeding breeding, rearing of insects, and environmental experiment of medicines with good capacity.</p> <p>Programmable temperature, humidity and illumination value. Overheating & Power failure alarms. Digital LED display. The chamber can be easily move in laboratory due to 4 castors. Power: 220-240VAC/50HZ.</p> <p>With these or better specifications and Manufactured in USA/UK/Europe</p>	Musaji Adam & Sons	<u>IFA-110</u>	Rejected	Not according to specification
		Pak Fill Technologies	LGC-5101	Selected	According to specification
		STC	KBWF-240	Rejected	Incomplete documentation
		SKN Technologies	BJPX-A300	Rejected	Incomplete documentation
		Shalimar Scientific Stores	TK 120Nuve	Rejected	Not according to specification
		Vision Sci. Corporation		Selected	According to specification
		Rays Technologies	MLR-352H	Selected	According to specification
		S.U. Enterprises	KKS115 SMART Pro	Selected	According to specification
		FAZIE RABBI	RTOP-500D	Rejected	Not according to specification

List of Chemicals

		Items	Supplier Remarks		Status	Remarks
1	Macro-nutrients	KNO ₃	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		NH ₄ NO ₃	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification

		CaCl ₂ .2H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		MgSO ₄ .7H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		KH ₂ PO ₄	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
2	Micro-nutrients	MnSO ₄ . 4H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		ZnSO ₄ . 7H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		H ₃ BO ₃	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		CuSO ₄ .5H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		KI	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Na ₂ MoO ₄ . 2H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		CoCl ₂ . 6H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		FeSO ₄ . 7H ₂ O	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Na ₂ EDTA	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
3	Vitamins	Glycine	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Myo inositol	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Nitroinine Acid	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Pyridoxine HCl	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Thiamine	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to

						specification
4	Growth Regulators	Benzylamino purine	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Kinetin	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		Napthalene acetic acid	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
		2,4-Dichloro acetic acid	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
5		Ethanol (Absolute)	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
6		Tween-20	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
7		NaOCl	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
8		Mercuric Chloride	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification
9		Agar	Musaji Adam & Sons	Vision Sci. Corporation	Selected	According to specification

List of Glassware

S/N.	Item	Supplier	Status	Remarks
1	Bead sterilization unit set	Musaji Adam & Sons	Selected	According to specification
2	Dissecting kits and Inoculation instruments	Musaji Adam & Sons	Selected	According to specification
3	Bottles including Autoclavable caps 100ml	Musaji Adam & Sons	Selected	According to specification
4	Bottles including Autoclavable caps 250ml	Musaji Adam & Sons	Selected	According to specification
5	Bottles including Autoclavable caps 500ml	Musaji Adam & Sons	Selected	According to specification
6	test tubes 16x150	Musaji Adam & Sons	Selected	According to specification
7	Flasks set (small, medium and large) 100ml	Musaji Adam & Sons	Selected	According to specification

Sl. No.	Project/Activity/Requirement/Target/Issue	Ministry/State/Institution	By/Through	According to/As per/As per/As per
10	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per
11	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per
12	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per
13	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per
14	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per
15	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per
16	Financial inclusion, rural extension, digital literacy, women's empowerment, skill development, health and nutrition, etc.	Ministry of Rural Development	School	According to/As per/As per/As per

The selected items are reported to the Director of the Department of Education, Government of Karnataka, Bangalore, for their approval and for the necessary arrangements to be made for the implementation of the project/Activity/Requirement/Target/Issue.

NOTE: Request is based on the following items:

1. Non-employment related activities of the project/Activity/Requirement/Target/Issue.
2. Qualification and experience of the project/Activity/Requirement/Target/Issue.

DEPARTMENT OF EDUCATION, KARNATAKA

1. Dr. M. S. Narayana Murthy, Director, Department of Education, Government of Karnataka, Bangalore.
2. Dr. M. S. Narayana Murthy, Director, Department of Education, Government of Karnataka, Bangalore.
3. Dr. M. S. Narayana Murthy, Director, Department of Education, Government of Karnataka, Bangalore.

Director
 Department of Education
 Government of Karnataka
 Bangalore