#### COLLEGE OF HORTICULTURE AND FORESTRY, JHALAWAR AGRICULTURE UNIVERSITY, KOTA- (RAJ.)

Name of item: Supply and installation of Laboratory Equipment at College of Horticulture and Forestry, Jhalawar.

#### TECHNICAL BID

(The technical bid should include)

Na	ame of the Firm
	ll address
-	
Mo	obileEmail ID
1.	Bid Security (EMD) to be deposited online @ 2% of Estimated cost of Rs. 28 lakhs
	Transactions ID. No Date
2.	Detail of tender form fee (Rs. 1000/-)
3.	RISL processing fees(Rs. 500/-)
4.	Signed tender form (accepting terms and conditions) with A, B, C, D format
5.	Authorization/ manufacturing/registration certificate.
6.	GST registration certificate /Registered through company act.
7.	Annual turnover certificate of firm. The average annual turnover of last three financial
	years of the bidder shall more than 20 Lakh certified by CA.
8.	Technical bid should also contain brochure with make and full specification and
	information including brand name and make.
9.	Agreement SR Form 17

Br. Ar an

#### Technical specifications in details

Tendering Committee, College of Horticulture and Forestry, Jhalawar, invite tender from Manufacturer/ Authorized Distributor/ Dealer through e procurement portal for the purchase of following Laboratory instruments/ equipment etc., with given specifications, terms, and conditions.

Specifications	Approx	Quantity
	Cost	(No.)
	(Lakh)	
<ul> <li>Sample Size: Twelve Sample programmable Kjeldahl digestion system</li> <li>Tube Capacity 300 ml volume</li> <li>Certified: Comply with the data management requirements of certified (ISO 9001, CE &amp; ISO 17025).</li> <li>Display: TFT /LCD Display,</li> <li>Customizable Program: sample selection library like soil, Plant, water, food feed, cereals, starch etc.,</li> <li>Display views: Temperature, Time, Date, Real Time, Data logger, Graphical Representation etc</li> <li>Safety features: Password Login feature etc Acoustic and Visual Error Indication, Damage Probe Detection, Run alert, Automatic Sample Cooling facility after Digestion completion.</li> <li>Temperature, Stability, Time: 475 Degrees Centigrade. +/- 0.5°C of set temperature. Time Selection 1 to 999 Minutes</li> <li>Chemical Resist: should be with Epoxy coating for acid resistance</li> <li>Programs &amp; Ramp: Minimum 100 programs with at least 12 Ramp steps</li> <li>Connectivity: Preferable RS 232 and USB provision for PC Compatible.</li> <li>Heating block: long-life, corrosion free Heating Blocks</li> <li>Accessories: Insert Rack, Drip Tray, and Heat Shield plate for temperature cut-off. Exhaust manifold. Etc</li> <li>Scrubber: Should have leak proof suction module (fume carriers) to prevent the escape of acid vapours during digestion.</li> <li>Auto start scrubber System of suction module. Auto shutdown &amp; Auto start up Facility.</li> <li>Epoxy Coat: should be with Epoxy action for acid registence.</li> </ul>	8.00	1
	<ul> <li>Sample Size: Twelve Sample programmable Kjeldahl digestion system</li> <li>Tube Capacity 300 ml volume</li> <li>Certified: Comply with the data management requirements of certified (ISO 9001, CE &amp; ISO 17025).</li> <li>Display: TFT /LCD Display,</li> <li>Customizable Program: sample selection library like soil, Plant, water, food feed, cereals, starch etc.,</li> <li>Display views: Temperature, Time, Date, Real Time, Data logger, Graphical Representation etc</li> <li>Safety features: Password Login feature etc Acoustic and Visual Error Indication, Damage Probe Detection, Run alert, Automatic Sample Cooling facility after Digestion completion.</li> <li>Temperature, Stability, Time: 475 Degrees Centigrade. +/- 0.5°C of set temperature. Time Selection 1 to 999 Minutes</li> <li>Chemical Resist: should be with Epoxy coating for acid resistance</li> <li>Programs &amp; Ramp: Minimum 100 programs with at least 12 Ramp steps</li> <li>Connectivity: Preferable RS 232 and USB provision for PC Compatible.</li> <li>Heating block: long-life, corrosion free Heating Blocks</li> <li>Accessories: Insert Rack, Drip Tray, and Heat Shield plate for temperature cut-off. Exhaust manifold. Etc</li> <li>Scrubber: Should have leak proof suction module (fume carriers) to prevent the escape of acid vapours during digestion.</li> <li>Auto start scrubber System of suction module. Auto shutdown &amp; Auto start up Facility.</li> </ul>	Cost (Lakh)  Sample Size: Twelve Sample programmable Kjeldahl digestion system  Tube Capacity 300 ml volume  Certified: Comply with the data management requirements of certified (ISO 9001, CE & ISO 17025).  Display: TFT /LCD Display,  Customizable Program: sample selection library like soil, Plant, water, food feed, cereals, starch etc.,  Display views: Temperature, Time, Date, Real Time, Data logger, Graphical Representation etc  Safety features: Password Login feature etc Acoustic and Visual Error Indication, Damage Probe Detection, Run alert, Automatic Sample Cooling facility after Digestion completion.  Temperature, Stability, Time: 475 Degrees Centigrade. +/- 0.5°C of set temperature. Time Selection 1 to 999 Minutes  Chemical Resist: should be with Epoxy coating for acid resistance  Programs & Ramp: Minimum 100 programs with at least 12 Ramp steps  Connectivity: Preferable RS 232 and USB provision for PC Compatible.  Heating block: long-life, corrosion free Heating Blocks  Accessories: Insert Rack, Drip Tray, and Heat Shield plate for temperature cut-off. Exhaust manifold. Etc  Scrubber: Should have leak proof suction module (fume carriers) to prevent the escape of acid vapours during digestion.  Auto start scrubber System of suction module. Auto shutdown & Auto start up Facility.  Epoxy Coat: should be with Epoxy

N Bo

. As at

- with in-built software, having large LCD display with user programmable formulae.
- Sample: Sample at a time one Distillate Customizable Program: 100 programs facility to stored different raw materials in Display Boards.
- Display Views: sample selection library mode like Soil, Plants, food, Feed, etc., Sequence Flow feature, Temperature set & Present Value, PC Connectivity, Time, Titration start mode etc. Real time monitoring of process parameter Process resumes from stop and power failure for continuous operation.
- Auto Addition: Automatic addition of NaOH, Sample Dilution, Boric Acid, Distillate Volume selection directly in LCD Display like 50, 100, 150 & 200ml / Steam/ Receiver.
- Steam Regulation: The system should also have Steam Power adjustment as user desire with microprocessor based external adjustment provision from 10% 10 100%.
- Connectivity: PC with Software features of Data management through RS232/USB, Data must be stored in the software with RS 485 interface for communication.
- Flow Sensor: No Water condensation mode, Distillate Temperature Measuring with inbuilt shows in the Direct LCD Display (should not with External Interface)
- Safety features: Built-in safety systems for user protection Error diagnostic like Protection door must have safety Switch, Auto Deactivation etc., System Intimation Alarm for every sequence Execution for user attention.
- Reagent sensor: Chemical Reservoir level sensor
- Chiller: Refrigerated water cooling circulating system with digital display of temperature Microprocessor based PID Temp Controller
- Temperature Range: 5°C to 10°C
- SS Tank Capacity 7.5L or more
- Cooling Capacity 500W, LED Display
- Suitable to use with Distilled water, DW + Ethylene Glycol/Propylene Glycol mixtures to attain Lower temperatures.
- Quotation rate should also include 12/36/60 months additional Annual

W

P= & H Sy As at

		Maintenance Contract (AMC) required		
		after standard warranty.		
		arter standard warming		
2	nH Motor	• pH Range: 0.00 to 14.00 PH	0.20 per	2
2	pH Meter	<ul> <li>pH Range: 0.00 to 14.00 PH</li> <li>MV Range: 0 to 1999.9 1MV</li> </ul>	piece	_
		• Temp Range: 0 to 99.9 °C Automatic	piece	
		Compensation & 0-100 °C Manual		
		• Resolution: 0.01 pH, in pH Range, 0.1		
		MV in MV Range & 0.1 °C in Temp.		
		Range		
		Reputability:		
		+ 0.01 PH + 1 Digit		
		+ 0.5 MV + 1 Digit		
		+ 0.2 C + 1 Digit		
		<ul> <li>Calibration: 2/3 POINT</li> </ul>		
		<ul> <li>Display: 20 x 4 Alpha Numeric LCD</li> </ul>		
		<ul> <li>Key Board: 6 Key Operation</li> </ul>		
		• Power: 12V, 2 A S.M.P.S. Power supply		
		with 230 V 50hz input		
		• with Combine Electrode, Electrode		
		Holder, Stand, PT 100 Sensor		
		All Required Specification Should be		
		Available in Manufacturer Brochure	6.0	1
3	UV-vis	Specifications: (i) Wavelength range: 190 to 1,100 nm or	0.0	1
	Spectrophotometer,	high		
	double beam	(ii) Spectral bandwidth: 1 nm		
		(iii) Wavelength display: 0.1nm increments		
		(iv) Wavelength setting: 0.1nm increments		
	7.0	(0.1nm increments when setting scanning		
		range)		
		(v) Wavelength accuracy: ±0.1 nm at D2 peak		
		656.1 nm±0.3 nm for entire range		
		(vi) Wavelength repeatability: ±0.1 nm (vii) Wavelength slew rate: About 10,000		
		nm/min		
		(viii) Wavelength scanning speed: 6000 to 2		
		nm/min		
		(ix) Dual source - high intensity Tungsten-		
		Halogen and Deuterium lamp with automatic		
1		change over		
1		(x) Stray light:		
Y		Less than 0.02% at 220 nm (NaI)		
		Less than 0.02% at 340 nm (NaNO2)		
		Less than 1.0% at 198 nm (KCl) (xi) Photometric system: Double beam optics		
		(xii) Photometric readability range:		
		Absorbance: -4.00 to 4.00 Abs		
		Transmittance: 0% to 400%		
		(xiii) Photometric accuracy:		
		0.002 Abs at 0.5 Abs		
		0.004 Abs at 1.0 Abs		
		0.006 Abs at 2.0 Abs		

IL Book & Awar

(xiv) Photometric repeatability:

Less than 0.0015 Abs at 0.5 Abs

Less than 0.0012 Abs at 1 Abs

Less than 0.0033 Abs at 2 Abs

(xv) Baseline stability: Less than 0.0005 Abs/Hr @ 700 nm

(one hour after light source on)

(xvi) Baseline flatness: Less than  $\pm 0.0006$  Abs (1,100 to 200nm, one hour after light source switched ON)

(xvii) Noise level: Less than 0.00005 Abs (700 nm)

(xviii) Light source: Plug- in pre-aligned Halogen lamp and Deuterium lamp.

(xix) Monochromator: Blazed holographic grating in Czerny-Turner mounting

(xx) Detector: High sensitivity wide range matched pair Silicon

Photodiode detector sourced from Hamamatsu Photonics Japan

(xxi) Processor :32GB storage 8-inch screen touch screen USB port for PC

(xxii) Sample compartment: Two 10 mm cell fixed, Accommodates micro cell.

(xxii) Built in PC Specification: 7" graphic colour touch screen 32 GB memory, Wi-Fi & USB port

(xxiii) Power requirements: AC 230 +/- 10% with proper ground. 50Hz, 160 VA.

(xxiv) STANDARD SUPPLY: One Pair of Quartz Cuvette & Glass Cuvette, dust cover, Manual, Interface cable

(xxv) Installation & training at site free of cost.

(xxvi) Warranty: Standard warranty one year or more

(BUILT-IN SOFTWARE FEATURES

Analysis applications support the following modes:

- Single Wavelength (Measuring ABS, T%, CONC.)
- Spectrum Time Scan (Measuring ABS, T%)
- Spectrum Scan (Measuring ABS, T%)/Kinetics Time Scan
- multi-wavelength / multi-component
- DNA/Protein analysis
- Bio Mode
- Mathematical operations like peak valley / nth order derivative
- Automatic wavelength calibration validations test and selection
- CFR21 Compliance with IQ, OQ, PQ (xxvii) Supplied with Branded Laptop for data

SU PI-

& Sy

& Avan

		analysis having configure: Core i5 13Gen, 16 GB RAM, 512GB SSD, FHD, 15.6" Screen, Windows 11 (xxviii) User's list Required of at least 25 users		
	Portable Leaf Area Meter	<ul> <li>Portable</li> <li>Stores over 64GB data points</li> <li>Graphic mode</li> <li>Multi Leaf Measuring System</li> <li>Utilizing Advanced Laser Technology</li> <li>Meter provides a precise, convenient method to measure leaf area (or the areas of leaf-like objects).</li> <li>Simply slide the scanner over the leaf to obtain accurate, non-destructive measurements.</li> <li>The meter measures area, length, width, and perimeter and calculates shape factor and aspect ratio.</li> <li>No calibration should be needed.</li> <li>Easily collect data from the same plant or the same leaf throughout a life span.</li> <li>Precise measurements of even tender leaves can be done by using a transparent sheath for protection.</li> <li>The unit's high-resolution laser scanner, data logger, and display are enclosed in a single, handheld palette unit.</li> <li>A USB port allows for data transfer to a printer or computer.</li> <li>Should include: a palette-style scan board, laser scanner with built-in control unit, internal batteries, battery charger, communication software, one additional transparent film, hard-shell instrument carrying case, and operating manual.</li> <li>All Required Specifications available in Manufacturer Brochure</li> <li>Authorization Must be required</li> </ul>	3.0	1
-	5 Trinocular	Research Microscope specifications	1.8	1
	Microscope with	System Comes with Achromatic optical system		
,	camera	<ul> <li>System Should have low &amp; backward positioned co-axial positioning system,</li> <li>System Should have stable integral structure, backward Nosepiece</li> <li>Tube Length Should be: 160mm.</li> <li>Viewing Head: Compensation free Trinocular Head inclined at 30°</li> </ul>		
		<ul> <li>Interpupillary Distance: 55 - 75 mm.</li> <li>Eyepiece (Ocular): Line Field of view: 18mm.</li> <li>Nose piece: Backward Quadruple</li> </ul>		

A Roman

A A at

			Nosepiece		
			Objective: Achromatic; 4x, 10x, 40x,		
			100x		
			Focus System: Co-axial coarse and fine		
			Focusing system, Sensitivity and		
			Graduation of Fine Focus: 0.004mm.,		
			Range: 24mm.		
			Condenser: Abbe N.A. 1.2		
			Stage: Double Layer Mechanical Stage,		
			Area: 132x142mm., Movement Range:		
			75x40mm.		
			Lamp House: Halogen Lamp 6V, 20W or		
			LED Lamp 3W.		
		NA	With 10x Eyepiece for Focus 24.95mm.		
	*		icroscopic Camera Specifications:		
		•	Camera Should be 5 MP		
		•	Sensor Type: CMOS		
		•	Camera Should be for Color image		
			Sensor size: 1/2.5"		
		•	Pixel size: 2.2um.		
		0	Shutter Type: Rolling		
			Resolution Should be 2592x1944 or better		
			Data Interface: USB		
		0	Frame Rate Should be 6FPS		
		0	Lens Mount: C Mount		
			Authorization Must be Required		
			All Required Specifications Must be		
			Available in Manufacture Brochure		
			Manufacturer Should be CE Registered		
			also submit the Certificate		
			Manufacturer Should be ISO 9001		
			Registered also submit the Certificate		
6	Autoclave		Autoclave Should have Double walled	1.5	1
O	ruttente		construction	1.5	
			System Should have Digital Temperature		
			System Should Digital Timer and alarm		
			System Should bigital Timer and alarm System Should have Low Water Cut off		
			Inner chamber made of stainless steel of		
			18 SWG sheet AISI-304 Grade.		
					15
		•	Outer body Should be made of thick		
		2000	stainless steel.		
			Boiler and outer shell provided with air		
		5,000	insulation.		
		•	Lid made of stainless-steel plate and must		
			be tightened all around by wing nuts.		
		•	System Should have Pressure gauge		
		•	System Should have Steam Release valve		
		•	System Should have Vacuum Release		
			Value		
		0	System Should have safety valve		
		0	Fitted with ISI marked immersion type		
			heating element		

& R.m.

Adi SAV av

7	BOD incubator	<ul> <li>Supplied with S.S. Basket, cord and plug to work on 220 volts, 50 cycles AC supply.</li> <li>Size: 400mm. x 675mm. or more</li> <li>All Required Should be Available in Manufacture Brochure</li> <li>Authorization Must be Required</li> <li>System Warranty Should be minimum One Year</li> <li>Manufacturer Should have ISO/IEC/CE registered also submit the Certificate</li> <li>Chamber Size: 505x500x415mm or</li> </ul>	1.3	1
		<ul> <li>bigger</li> <li>System Should have Digital Temperature Indicator cum controller</li> <li>Temp Display Should be Digital</li> <li>Temp. Range Should be 5°C to 50°C. or more</li> <li>Temp. Accuracy Should be +/- 0.5°C.</li> <li>System Should have Air Circulation: 2 Nos.</li> <li>Outer Chamber should be made of MS powder coated</li> <li>Interior Chamber should be made of SS 304</li> <li>Insulation should be of Glass wool/Puff</li> <li>System Should have inner Glass door</li> <li>Cooling System should be Hermetically Sealed Condensing unit/compressor</li> <li>Door Lock Provided with Lock &amp; Key</li> <li>System Should have 2 shelves</li> <li>Instruments must come with One year warranty.</li> <li>Vendor Should have Manufacturer Authorization.</li> <li>All the specification must be mentioned in the authentic brochure of the instrument</li> <li>Manufacturer shave have ISO 9001 Registered also</li> <li>Manufacturer Should have ISO and CE registered also submit the Certificate</li> </ul>		
8	Water Distillation Unit	<ul> <li>System Should be Double Stage</li> <li>System Should be Horizontal</li> <li>Cooling Water Consumption Approx: 80 ltr/hr</li> <li>Output Approx: 1.5 ltr/hr</li> <li>Conductivity: 0.8 to 1 μs/cm</li> <li>ph: 6.0-7.0</li> <li>Borosilicate condenser &amp; boiler are fitted with a removable silica sheathed heater</li> <li>&amp; screw threaded connectors for ease of cleaning.</li> </ul>	0.55	1

& Por

An at

		Distillate temperature is around 25 to 45°C which is ensured by an efficient
		<ul><li>condenser</li><li>The stand is powder coated for rust free</li></ul>
		operation.  • The unit automatically switches off if
		The unit automatically switches off if water level in the boiler falls below
		heater.
		Cooling water from the condenser is re- circulated into the boiling chamber,
		Boiler is provided with a Replaceable
		Side Over Flow for easy draining and  cleaning of boiling chamber, which also
		reduces the chances of breakage.
		Fuse is provided for safety in case of voltage fluctuation
		Electrical Power: 3KW, 220/240 V,
		50/60Hz, Single Phase Supply.  • Equipped with in Built Safety Cut Off
		Device which
		protect the glass in case of water failure & Overheating.
		All Required Should be Available in
		Manufacture Brochure  Vendor Should have Manufacturer
		Authorization.
		Manufacturer Should have ISO and IEC registered also submit the Certificate
9	Bomb Calorimeter	Bench top     2.0  1
		<ul> <li>Working Principal: Iso-thermal</li> <li>Standards: BS 1016: Part 5:1967IS: 1359-</li> </ul>
		19591 P 12/63T
		• 16 x 2 characters LCD display with backlight
		• Experiment Duration: 10-15min.
		Combustion Bomb Make: SS 316     Locket Types PLIE Insulated SS Insulate
		<ul><li> Jacket Type: PUF Insulated SS Jacket</li><li> Oxygen Filling: Automatic/Manual</li></ul>
		Peak Temperature Detection: Fully
		Automatic  Temperature Indicator: Microprocessor
		based Digital Temperature Indicator with
		Built-in Timer with Computer Interface & Software
		Temperature Measurement: Differential
		<ul> <li>Temperature Range: 10°C. to 60°C.</li> <li>Differential Temp. Range: 0 to 10°C.</li> </ul>
		• Readability/Resolution: 0.01 °C
		Calorimeter Capacity: Up to 20000  Cal/gm
		Printing: Inbuilt Thermal Printer
		<ul><li>Audio &amp; Visual Alarm</li><li>Clock: RTC (Real Time Clock) with</li></ul>
<	L R.	5 / And at

	94				
			inbuilt battery		
		0	PC Interface: USB		
		0	Microprocessor Based		
		0	16 Soft touch key pad		
		0	Automatic Calculation of Calorific Value.		
		0	Puff Insulation SS Jacket		
			Single Phase 220-230V., 50 Hz.		
			Report Generation: PDF		
		0	All Required Specification Must be		
			available in Manufacturer Brochure		
		0	Supplied with Oxygen Gas Cylinder and		
			Regulator		
	E	0	System must be NABL Calibration		
		0	Manufacturer Must be ISO Registered		
		0	Authorization Must be Required		
		•	Installation Demonstration will be		
			required at site		
10	Universal Grinding	•	Useable volume Should be 60 - 80 ml	1.25	1
	Mill	0	Maximum Speed Should be 28000 rpm or		
			more		
		0	System should be Process Batch type for		
			2 different grinding procedures		
		0	Impact grinding of hard, brittle or non-		
			elastic grinding materials with high-grade stainless-steel beater.		
			This beater can be used for a Mohs		
		0	hardness up to 6 (incl. with delivery).		
			Cutting grinding for pulverizing soft,		
			fibrous materials with a cutting blade (not		
			incl. with delivery).		
		0	Moist and gluey materials can be		
			pulverized by adding water		
		•	Grinding chamber made of Tefcel (ETFE,		
			glass fiber-reinforced) with stainless steel		
			inlet (1.4571), useful volume 80 ml (incl.		
			with delivery).		
		0	For embrittlement of grinding materials		
			with liquid nitrogen in the grinding		
			chamber - Optionally, a 250 ml grinding chamber is available		
		_	COLD MICE AND DESCRIPTION OF THE STATE OF TH		
			System Operating principle Should be cutting/impact		
			Motor rating input Should be 160 W		
			Motor rating input should be 100 W		
			Circumferential speed max Should be 53		
		1.7	m/s or better		
		0	Max Feed hardness Should be 5 or 6		
			Mohs		
			Feed grain size should be Max. 10 mm or		
			better		
		•	Material beater/cutter Should be of		
			stainless steel 1.4034		
		•	Material milling chamber Should be of		

I BO & Spar

lar

			stainless steel 1.4571		
			Power-ON time Should be 1 min or better		
			Power-OFF time Should be 10 min or		
			better		
			Mill feed can be cooled in milling		
			chamber with dry ice		
			Mill feed can be cooled in milling		
			chamber with liquid nitrogen		
			Permissible ambient temperature Should		
			be 5 - 40 °C or better		
			Permissible relative humidity Should be		
			80 % or better		
			Protection class according to DIN EN		
			6052 Should be IP 43 or better		
			Supply with Spare beater		
			All Required Specification Should be		
			Manufacture Brochure		
			Authorization Must be Required		
11	Water Bath		2 Rows 6 Holes, Inner Volume 18L	0.20	1
11	Water Dath		approx.	0.20	1
			Temp Range: Rt+5-100°C		
			Temp Resolution Ratio: 0.1° C		
			Temp Accuracy: +/- 0.5° C		
			Temp Uniformity: +/- 1° C		
2.			Water sink: Stainless steel, surface		
			electrolysis treatment		
			Outer shell: Cold rolled steel plate,		
			surface electrostatic powder spray		
			Heater: Stainless steel U type heating tube		
			Timer: 0 to 999 min. (with timing		
			function)		
			Timing function: Fixed temperature		
			operation, timing function, auto stop.		
		•	Program: Optional: multi-section program		
			control		
			Additional function: Deviation correction,		
			menu key lock, power failure back-up,		
			power-off parameter memory, PID		
			adjustable		
		0	Sensor: Thermal resistor		
		•	Safety device: Over-temperature alarm,		
			short-circuit protection		
		•	Power rating: 1200W		
		•	Internal volume (approx.): 18L		
		•	Cover aperture: Dia 120mm		
		0	Cover Rings per hole: 5		
		•	Power Supply: Adaptor, Using AC		
			220V,50/60Hz		
12	Wildlife Telescope		2 Rows 6 Holes, Inner Volume 18L	2.00	1
			approx.		
		•	Temp Range: Rt+5-100°C		
		•	Temp Resolution Ratio: 0.1° C		
		-		l	

N

P

John And

an

		0	Temp Accuracy: +/- 0.5° C		
		0	Temp Uniformity: +/- 1° C		
		0	Water sink: Stainless steel, surface		
			electrolysis treatment		
		•	Outer shell: Cold rolled steel plate,		
			surface electrostatic powder spray		
		•	Heater: Stainless steel U type heating tube		
		•	Timer: 0 to 999 min. (with timing		
			function)		
		0	Timing function: Fixed temperature		
			operation, timing function, auto stop.		
		•	Program: Optional: multi-section program		
			control		
		•	Additional function: Deviation correction,		
			menu key lock, power failure back-up,		
			power-off parameter memory, PID		
			adjustable		
		0	Sensor: Thermal resistor		
		•	Safety device: Over-temperature alarm,		
			short-circuit protection		
		0	Power rating: 1200W		
		0	Internal volume (approx.): 18L		
		0	Cover aperture: Dia 120mm		
		0	Cover Rings per hole: 5		
		0	Power Supply: Adaptor, Using AC		
			220V,50/60Hz		
		0	All Required Specification Should be		
			Manufacture Brochure		
		0	Authorization Must be Required	0.50	2
13	Wildlife Acoustic	0	Light weight	0.50 per	2
	Song Meter		Compact	piece	
		•	Weatherproof		
		0	Built in microphone		
			Change setting and schedule wirelessly		
	*		via Bluetooth		
		9	Automatically send recording status via		
			Bluetooth		
		0	Run time: 180 hrs		
		•	Power option: 3AA alkaline or		
			rechargeable NiMH Batteries		
		•	Warranty: 1 year		
			All Required Specification Should be		
			Manufacture Brochure		
		•	Authorization Must be Required	0.50	1
14	Ultrasonic Bat		Compact,	0.50	1
	detector	•	User-friendly		
			Recording and analysing bat echolocation		
			calls Equipped with a high-quality ultrasonic		
		•	microphone to record bat sounds with		
			exceptional clarity		
			Integrated GPS for precise location		
1	1	-	THOSTATOR OLD TOT PROTECT TOTALLET		

& Boy

An at

		•	tagging SD card slot for extensive data storage Weather-resistant long battery life SD Card 1 year warranty All Required Specification Should be Manufacture Brochure Authorization Must be Required		
15	Sherman Trap		Large,	0.02 per	6
	The second secon	•	Folding	piece	
			GI made mammal trap	Г	
			Dimension with 3 x 3.5 x 9" (7.62 x 8.89		
			x 22.86 cm) or 4 x 4.5 x 12		
	2.		Perforated or non-perforated.		
			Durable for field conditions		

E/

Re- Solp As an

#### Specific terms and Conditions

The Bidders are advised to read all the Terms & Conditions of the bid carefully before participating in the online bidding process.

For any query, bidder may contact to Dean College of Horticulture and Forestry,

Jhalawar (Mob. No: 7014073670 and email id:chf@aukota.org).

The detailed terms and conditions of the tender are available on the university website www.aukota.org, www.sppp.rajasthan.gov.in & www.eproc.rajasthan.gov.in.

- The tender shall not be considered in any condition without bid security (earnest money), tender form fee and RISL processing fee and bids received after the prescribed time and date will not be considered.
- 5. EMD will be refunded to unsuccessful bidders after the deal is finalized. Successful bidder has to deposit performance security @ 5% of the ordered value adjusting earnest money submitted at the time of tender. No interest will be paid against security money.

The rates quoted shall be valid for a minimum period of 180 days from the last date fixed

for submission of bid.

Specifications in the form of leaflets/brochures of items describing its features, Make, Model in compliance statement should be provided along with BID document for comprehensive technical comparison. Without proof of compliance, it may cause cancellation of the bid without any further notice.

The supplier shall bound within the period of warranty, expeditiously repair or replace the defective good or part thereof at no cost to the purchaser. Penalty will be imposed if

repair is not made in scheduled time.

9. If after delivery and installation, within the warranty period, the operation or use of the item proves to be unsatisfactory, the purchaser shall have the right to continue to operate or use such goods until rectification of defects errors or omission by repair or by partial or complete replacement is made without interfering with the purchaser's option.

10. The system shall not be prone to damage during power failures and trip outs. The normal

voltage and frequency condition available at site.

11. The bidder must be a well-established manufacturing company/authorized distributor (Authorization letter shall be enclosed).

12. Bidders shall have to submit PAN, GST Registration Number, and any other document as required in the bidding document without which the bids will not be considered.

13. Only Bonafide bidders will be allowed to participate in the procurement process. Therefore, bidders shall furnish a declaration regarding qualifications along with other necessary documents which are required for participation in the bidding process and eligibility for bidders.

14. The tenderer is not allowed to withdraw or modify his offer or add condition after opening of the tender, otherwise his earnest money is liable to be forfeited and imposed

penalty as per provision RTPR Act 2012.

15. University reserves the right to accept any tender not necessarily the lowest, reject any tender without assigning any reason and accept one or more tender for all or any one or more items for which tender has been submitted.

16. Bidder must quote rates item wise and may apply for single item or multiple items as well as Separate bidder might be accepted as per lowest rate for distinct items.

17. The tender must be submitted accurately in accordance with the condition of the tender and all the enclosure (Duly signed and stamped) otherwise tender will be rejected.

18. Notwithstanding anything contained herein before in these special terms & condition the University reserves to itself the right to take action against the defaulting suppliers or against the supplier / agent (s) for any kind of misbehaviour or for any breach of the contract what-so-ever by way of working imposes of any penalty forfeiting of security

- money, cancellation of order, cancellation of the agreement and ban on future business dealing as per RTPR Act-2012.
- 19. Tenderer should be able to supply/install the items within 15 days of receiving order.
- 20. The ordered materials will have to be supplied within 15 days from the date of placing the purchase order the urgent marked purchase order(s) will have to supplied executed immediately with in the period as mentioned in the order (s). Validity of the order can be extended by the purchaser (s) failing which risk Purchase may be made from the other supplier(s) and Difference paid to or any pertinent letter from any purchaser (s) of any of the unit.
- 21. The installation of the items should be made by the service engineer and demonstration in physical mode including training to our operator at no other cost at the College of Horticulture and Forestry, Jhalrapatan, Jhalawar- 326023.
- 22. Necessary items like UPS, Air Conditioner, Computer etc. of suitable capacity, if essentially required, for proper operation of the scientific instruments/ equipment must be supplied by the vendor at no additional cost.
- 23. Bidder should give specification compliance statement point wise showing/ highlighting items part no., serial no., as quoted in their quotation for comprehensive technical comparison. Proof of compliance may cause cancellation of the bid without any further notice.
- 24. Payment of the bills shall be made only after delivery and successful installation and proper demonstration in physical mode including training to our operator by service engineer at the indenter office and on inspection if they are found as per specification.

  No part payment will be entertained/ accepted. No request for making supply in instalment will be considered.
- 25. Negotiations shall be held with the lowest evaluated responsive bidder.
- 26. In case ordered good are not submitted according to the specification tenderer must replace it at his own cost failing which and not supplying in time enable the procuring entity that the security deposit will be forfeited and excess amount if any, incurred by the university will also be recovered from tenderer.
- 27. University may apply penalties as per RTPP act 2012 any /other provision applying in above contract are governed by the RTPPR-2013 (Rajasthan Transparency in Public Procurement Rules 2013).
- 28. An average annual turnover of last three financial years (2021-22, 2022-23 and 2023-24) of the bidder shall be equal to or more than 20 Lakhs. The bidder will have to enclose the documentary proof *i.e.* CA certificate along with Audited annual accounts (balance sheets and profit & loss statements).
- 29. The bidder must have at least five experiences/ supply order of similar nature of goods / items to University/ICAR/Government department/ institutions in last three years and bidder will have to enclose at least five supply/work orders of related goods in its support.
- 30. Category/item wise applicable Quality Certificates such as ISI/ISO 9001/ISO 14001/CE/ USFDA/NABL/NSIC/etc. should be essentially submitted with the document as *Annexure* item wise without which No tender shall be considered.
- 31. In case of indigenous manufacturers, a certificate from Industries Department/Equivalent competent authority, enlisting the items being manufactured as evidence of being genuine manufacturer/original manufacturer (duly translated in English or Hindi) should be essentially submitted by the indigenous manufacturers along with the tender document as *Annexure* and a self-declaration certificate as *Annexure*. In absence of these certificates, the tender shall not be considered for approval.

5/

R-

& Of An an

- 32. In case of imported items, tender may be submitted by the Indian sole authorized distributor or authorized distributor to India on behalf of foreign principal manufacturer or its office based in India. In case of the proposal being submitted by the sole authorized distributor for India. In the absence of this certificate, offer of imported items shall not be considered and shall be rejected. No multiple authorizations be given by the principal manufacturer.
- 33. Approval of the bid shall not amount to any minimum quantum of order to be given to the firm. supply order will be given as per budget availability under project. The university does not guarantee placement of any quantum of order and shall not entertain liability of any kind on this account. The supply order will be placed for actual requirement of the items as per budget availability under respective project. The payment will be made as per availability of the budget.

34. Supplier shall owe the sole and complete liability of safe handover of goods to the stores/any other place specified by the consignee after arrival of goods at the destination. Replacement of goods for any breakage/loss/damage during transit shall be mandatory at

the cost and risk of the firm/supplier.

35. Items shall be required to be supplied and installed at the premises of the consignee. No other charges such as octroi, packing, forwarding, freight, insurance, loading and unloading clearance, installation and commissioning, orientation for handling and operation of the items/instruments/equipment's etc. will be allowed.

36. It shall be sole liability of the billing agency, whether it is Authorized dealer/ supplier/manufacturer, to fulfil /honour all general and specific terms and conditions of

the tender.

37. Any firm or its representatives filing the bid may be present at the time of opening of the bid if so desired

38. The firms making any downward revision of prices or upgrading of product (better/higher specifications) at the same price shall have to inform the university immediately. Upgraded product(s) with higher prices shall not be approved during the supply of the items.

39. Payment against Bill/invoice shall be released only after supply. No interest will be payable on the delayed payment for any reason, what so ever. Payment will be made directly to the agency to which orders have been placed. TDS and GST will be detected

at the time of payment as per rules.

40. Performance security will be released after completion of all obligations by the firm/organization including warranty. This can be withheld or forfeited in full or in part in case the order is not executed satisfactorily within the stipulated period or necessary servicing/maintenance of the equipment within the guarantee period is not undertaken to the best satisfaction of the user/University. No interest will be paid on the Performance security.

41. The submission of the bid shall be taken as the implied acceptance of all terms and conditions stipulated herein. The authorized signatory shall sign each page & at the end

of the tender document in token of acceptance of all terms and conditions.

42. The consignee, on getting a request from the supplier, with genuine reasons, shall be authorized (not bound) to extend the validity of supply period. However, for any delay in the supply of goods by the specified/extended date, a liquidated damage will be charged as per agreement clause (s) for which the item is supplied after the specified dates given in the supply order/extended subsequently.

43. Any other document/information, which the bidder wishes to submit, may be attached at

the end.

- 44. The undersigned reserves the right to consider any tender in whole or in part or reject without assigning any reason.
- 45. The jurisdiction for any dispute shall be Jhalawar only.
- 46. Certificate of no any case pending against the firm in the Honourable Court, also, a certificate by the firm that the firm is not black listed by any Govt. Dept./University.
- 47. In the event of the specified dates being a holiday, the activities assigned on that date may be carried out on next working day on the same time.
- 48. The financial bid will be opened for technically approved firms only.
- 49. All legal enquiries will be responded by Dean, College of Horticulture and Forestry, Jhalawar.
- 50. The Law relating to procurement "The Rajasthan Transparency in Public Procurement Act, 2012" (hereinafter called the Act] and the "Rajasthan Public Procurement Rules, 2013" (hereinafter called the Rules] under the said Act have come into force, the Bidders are advised to acquaint themselves with the provisions of the Act and the Rules before participating in the Bidding process. If there is any discrepancy between the provisions of the Act and the Rules and this Bidding Document, the provisions of the Act and the Rules shall prevail

I/We hereby declare that I / We have read carefully all the above-mentioned Special Terms & Conditions and I/We agree to confirm these.

Signature of Vendor (Rubber stamp, Address and Phone No.)

Place:

Date:

A Rue Aval

#### Compliance Sheet

S. No.	Name of the Instrument	Specifications	Specification submitted by the Bidder	Brand, make & model
1	Fully Automated Kjeldahl Nitrogen Analyser	<ul> <li>Sample Size: Twelve Sample programmable Kjeldahl digestion system</li> <li>Tube Capacity 300 ml volume</li> <li>Certified: Comply with the data management requirements of certified (ISO 9001, CE &amp; ISO 17025).</li> <li>Display: TFT /LCD Display,</li> <li>Customizable Program: sample selection library like soil, Plant, water, food feed, cereals, starch etc.,</li> <li>Display views: Temperature, Time, Date, Real Time, Data logger, Graphical Representation etc</li> <li>Safety features: Password Login feature etc Acoustic and Visual Error Indication, Damage Probe Detection, Run alert, Automatic Sample Cooling facility after Digestion completion.</li> <li>Temperature, Stability, Time: 475 Degrees Centigrade. +/-0.5°C of set temperature. Time Selection 1 to 999 Minutes</li> <li>Chemical Resist: should be with Epoxy coating for acid resistance</li> <li>Programs &amp; Ramp: Minimum 100 programs with at least 12 Ramp steps</li> <li>Connectivity: Preferable RS 232 and USB provision for PC Compatible.</li> <li>Heating block: long-life, corrosion free Heating Blocks</li> <li>Accessories: Insert Rack, Drip Tray, and Heat Shield plate for temperature cut-off. Exhaust manifold. Etc</li> <li>Scrubber: Should have leak proof suction module (fume carriers) to prevent the escape of acid vapours during digestion.</li> <li>Auto start scrubber System of suction module. Auto shutdown</li> </ul>		of item

I Pur

4

At Ans at

- & Auto start up Facility.
- Epoxy Coat: should be with Epoxy coating for acid resistance
- Distillation unit: Fully automatic microprocessor-based distillation unit with in-built software, having large LCD display with user programmable formulae.
- Sample: Sample at a time one Distillate Customizable Program: 100 programs facility to stored different raw materials in Display Boards.
- Display Views: sample selection library mode like Soil, Plants, food, Feed, etc., Sequence Flow feature, Temperature set & Present Value, PC Connectivity, Time, Titration start mode etc. Real time monitoring of process parameter Process resumes from stop and power failure for continuous operation.
- Auto Addition: Automatic addition of NaOH, Sample Dilution, Boric Acid, Distillate Volume selection directly in LCD Display like 50, 100, 150 & 200ml / Steam/ Receiver.
- Steam Regulation: The system should also have Steam Power adjustment as user desire with microprocessor based external adjustment provision from 10% 10 100%.
- Connectivity: PC with Software features of Data management through RS232/USB, Data must be stored in the software with RS 485 interface for communication.
- Flow Sensor: No Water condensation mode, Distillate Temperature Measuring with inbuilt shows in the Direct LCD Display (should not with External Interface)
- Safety features: Built-in safety systems for user protection Error diagnostic like Protection door must have safety Switch, Auto Deactivation etc., System Intimation Alarm for every sequence Execution for user attention.

W

Run

X

Ar Aw of

		<ul> <li>Reagent sensor: Chemical</li> </ul>		
		Reservoir level sensor		
		• Chiller: Refrigerated water		
		cooling circulating system with		
		digital display of temperature		
		Microprocessor based PID Temp		
		Controller		
		• Temperature Range: 5°C to 10°C		
		• SS Tank Capacity 7.5L or more		
		• Cooling Capacity 500W, LED		
		Display		
		• Suitable to use with Distilled	Sec. 1	
		water, DW + Ethylene		
		Glycol/Propylene Glycol		
		mixtures to attain Lower		
		IIII/ttill 65		
		temperatures.  60 months additional Annual		
		The state of the s		
		Maintenance Contract (AMC)		
		required after standard warranty.		
2	pH Meter	• pH Range: 0.00 to 14.00 PH		
	0.007	<ul> <li>MV Range: 0 to 1999.9 1MV</li> </ul>		
		• Temp Range: 0 to 99.9 °C		
		Automatic Compensation & 0-		
		100 °C Manual		
		• Resolution: 0.01 pH, in pH		
		Range, 0.1 MV in MV Range &		
		0.1 °C in Temp. Range		
		Reputability:		
		+ 0.01 PH + 1 Digit		
		+ 0.5 MV + 1 Digit		
		+ 0.2 C + 1 Digit		
		• Calibration: 2/3 POINT		
		Display: 20 x 4 Alpha Numeric		
		LCD .		
		Key Board: 6 Key Operation		
		Power: 12V, 2 A S.M.P.S. Power		
		supply with 230 V 50hz input		
		• with Combine Electrode,		
		Electrode Holder, Stand, PT 100		
		Sensor		
		All Required Specification		
		Should be Available in		
		Manufacturer Brochure		
***	UV-vis	Specifications:		
3	2000	(i) Wavelength range: 190 to 1,100		
	Spectrophot			
	ometer,	nm or high		
	double	(ii) Spectral bandwidth: 1 nm		
		(iii) Wavelength display: 0.1nm	0	
	beam	increments		
		(iv) Wavelength setting: 0.1nm		
		increments		
		(0.1nm increments when setting		
		scanning range)		
1				

A por A Separt

- (v) Wavelength accuracy: ±0.1 nm at D2 peak 656.1 nm±0.3 nm for entire range
- (vi) Wavelength repeatability: ±0.1 nm
- (vii) Wavelength slew rate: About 10,000 nm/min
- (viii) Wavelength scanning speed: 6000 to 2 nm/min
- (ix) Dual source high intensity Tungsten-Halogen and Deuterium lamp with automatic change over

(x) Stray light:

Less than 0.02% at 220 nm (NaI)

Less than 0.02% at 340 nm (NaNO2)

Less than 1.0% at 198 nm (KCI)

- (xi) Photometric system: Double beam optics
- (xii) Photometric readability range:

Absorbance: -4.00 to 4.00 Abs

Transmittance: 0% to 400%

(xiii) Photometric accuracy:

0.002 Abs at 0.5 Abs

0.004 Abs at 1.0 Abs

0.006 Abs at 2.0 Abs

- (xiv) Photometric repeatability:
- Less than 0.0015 Abs at 0.5 Abs

Less than 0.0012 Abs at 1 Abs

Less than 0.0033 Abs at 2 Abs

(xv) Baseline stability: Less than 0.0005 Abs/Hr @ 700 nm

(one hour after light source on)

(xvi) Baseline flatness: Less than ±0.0006 Abs (1,100 to 200nm, one hour after light source switched ON)

(xvii) Noise level: Less than 0.00005 Abs (700 nm)

(xviii) Light source: Plug- in prealigned Halogen lamp and Deuterium lamp.

- (xix) Monochromator: Blazed holographic grating in Czerny-Turner mounting
- (xx) Detector: High sensitivity wide range matched pair Silicon

Photodiode detector sourced from Hamamatsu Photonics Japan

(xxi) Processor :32GB storage 8-inch screen touch screen USB port for PC (xxii) Sample compartment: Two 10 mm cell fixed, Accommodates micro

 $\langle \rangle$ 

Riam De And art

		cell. (xxii) Built in PC Specification: 7" graphic colour touch screen 32 GB memory, Wi-Fi & USB port (xxiii) Power requirements: AC 230 +/- 10% with proper ground. 50Hz, 160 VA. (xxiv) STANDARD SUPPLY: One Pair of Quartz Cuvette & Glass Cuvette, dust cover, Manual, Interface cable (xxv) Installation & training at site free of cost. (xxvi) Warranty: Standard warranty one year or more (BUILT-IN SOFTWARE FEATURES Analysis applications support the following modes:  Single Wavelength (Measuring ABS, T%, CONC.) Spectrum Time Scan (Measuring ABS, T%) Spectrum Scan (Measuring ABS, T%)/Kinetics Time Scan multi-wavelength / multi- component  DNA/Protein analysis Bio Mode Mathematical operations like peak / valley / nth order derivative Automatic wavelength calibration / validations test and selection CFR21 Compliance with IQ, OQ, PQ (xxvii) Supplied with Branded Laptop for data analysis having configure: Core is 13Gen, 16 GB RAM, 512GB SSD, FHD, 15.6" Screen, Windows 11 (xxviii) User's list Required of at least 25	
4	Portable Leaf Area Meter	<ul> <li>Portable</li> <li>Stores over 64GB data points</li> <li>Graphic mode</li> <li>Multi Leaf Measuring System</li> <li>Utilizing Advanced Laser Technology</li> <li>Meter provides a precise, convenient method to measure leaf area (or the areas of leaf-like objects).</li> <li>Simply slide the scanner over the</li> </ul>	
SA	R~	- H AN at	

		leaf to obtain accurate, non-	-
		destructive measurements.	
	20	The meter measures area, length,	
		width, and perimeter and	
		calculates shape factor and	
		aspect ratio.	
		No calibration should be needed.	
		Easily collect data from the same	
		plant or the same leaf throughout	
		a life span.	
		Precise measurements of even	
		tender leaves can be done by	
		using a transparent sheath for	
		protection.  • The unit's high-resolution laser	
		The unit's high-resolution laser scanner, data logger, and display	
		are enclosed in a single,	
		handheld palette unit.	
		A USB port allows for data	
		transfer to a printer or computer.	
		Should include: a palette-style	
		scan board, laser scanner with	
		built-in control unit, internal	
		batteries, battery charger,	
1		communication software, one	
		additional transparent film, hard-	
		shell instrument carrying case,	
		<ul><li>and operating manual.</li><li>All Required Specifications</li></ul>	
		All Required Specifications available in Manufacturer	
		Brochure	
		Authorization Must be required	
5	Trinocular	Research Microscope specifications	
5	Microscope	System Comes with Achromatic	
	with camera	optical system	
	with camera	System Should have low &	
		backward positioned co-axial	
		positioning system,	
		System Should have stable	
		integral structure, backward	
		Nosepiece To La	
		Tube Length Should be: 160mm.	
		Viewing Head: Compensation	
		free Trinocular Head inclined at 30°	
		• Interpupillary Distance: 55 - 75	
		mm.	
	N	Eyepiece (Ocular): Line Field of	
		view: 18mm.	
		Nose piece: Backward Quadruple	
		Nosepiece	
		Objective: Achromatic; 4x, 10x,	
		40x, 100x	

5/

R.W.

& Sparat

	<ul> <li>Focus System: Co-axial coarse and fine Focusing system, Sensitivity and Graduation of Fine Focus: 0.004mm., Range: 24mm.</li> <li>Condenser: Abbe N.A. 1.2</li> <li>Stage: Double Layer Mechanical Stage, Area: 132x142mm., Movement Range: 75x40mm.</li> <li>Lamp House: Halogen Lamp 6V, 20W or LED Lamp 3W.</li> <li>With 10x Eyepiece for Focus 24.95mm.</li> <li>Microscopic Camera Specifications:</li> <li>Camera Should be 5 MP</li> <li>Sensor Type: CMOS</li> <li>Camera Should be for Color image</li> <li>Sensor size: 1/2.5"</li> <li>Pixel size: 2.2um.</li> <li>Shutter Type: Rolling</li> <li>Resolution Should be 2592x1944 or better</li> <li>Data Interface: USB</li> <li>Frame Rate Should be 6FPS</li> <li>Lens Mount: C Mount</li> <li>Authorization Must be Required</li> <li>All Required Specifications Must be Available in Manufacture Brochure</li> <li>Manufacturer Should be CE Registered also submit the</li> </ul>	
	9001 Registered also submit the Certificate	
Autoclave	<ul> <li>Autoclave Should have Double walled construction</li> <li>System Should have Digital Temperature</li> <li>System Should Digital Timer and alarm</li> <li>System Should have Low Water Cut off</li> <li>Inner chamber made of stainless steel of 18 SWG sheet AISI-304 Grade.</li> <li>Outer body Should be made of thick stainless steel.</li> <li>Boiler and outer shell provided with air insulation.</li> </ul>	
	Autoclave	and fine Focusing system, Sensitivity and Graduation of Fine Focus: 0.004mm., Range: 24mm.  Condenser: Abbe N.A. 1.2  Stage: Double Layer Mechanical Stage, Area: 132x142mm., Movement Range: 75x40mm.  Lamp House: Halogen Lamp 6V, 20W or LED Lamp 3W.  With 10x Eyepiece for Focus 24,95mm.  Microscopic Camera Specifications: Camera Should be 5 MP Sensor Type: CMOS Camera Should be for Color image Sensor size: 1/2.5" Pixel size: 2.2um. Shutter Type: Rolling Resolution Should be 2592x1944 or better Data Interface: USB Frame Rate Should be 6FPS Lens Mount: C Mount Authorization Must be Required All Required Specifications Must be Available in Manufacture Brochure Manufacturer Should be CE Registered also submit the Certificate Manufacturer Should be ISO 9001 Registered also submit the Certificate  Manufacturer Should have Double walled construction System Should have Double walled construction System Should Digital Timer and alarm System Should Digital Timer and alarm System Should have Low Water Cut off Inner chamber made of stainless steel of 18 SWG sheet AISI-304 Grade. Outer body Should be made of thick stainless steel. Boiler and outer shell provided

A Rom & Ans

		and must be tightened all around	
		by wing nuts.	
		System Should have Pressure	
		gauge	
		System Should have Steam	
		Release valve	
		System Should have Vacuum Release Value	
		System Should have safety valve	
		• Fitted with ISI marked	
		immersion type heating element	
		Supplied with S.S. Basket, cord	
		and plug to work on 220 volts,	
		50 cycles AC supply.	
		• Size: 400mm. x 675mm. or more	
		All Required Should be	
		Available in Manufacture	
		Brochure	
		Authorization Must be Required	
		System Warranty Should be	
		minimum One Year	
		Manufacturer Should have     ISO/IEC/CE registered also	
		submit the Certificate	
7	BOD	Chamber Size: 505x500x415mm	
/	incubator	or bigger	
	III CUON COI	System Should have Digital	
		Temperature Indicator cum	
		controller	
		Temp Display Should be Digital	
		• Temp. Range Should be 5°C to	
		50°C. or more	
		• Temp. Accuracy Should be +/- 0.5°C.	
		• System Should have Air	
		Circulation: 2 Nos.	
		Outer Chamber should be made	
		of MS powder coated	
		Interior Chamber should be made	
		of SS 304	
		• Insulation should be of Glass	
		wool/Puff	
		System Should have inner Glass door	
		Cooling System should be	
		Hermetically Sealed Condensing	
		unit/compressor	
		Door Lock Provided with Lock	
		& Key	
		System Should have 2 shelves	
		Instruments must come with One	
		year warranty.	
		• Vendor Should have	

Vendor Should Mark of Aw of

**All the specification must be mentioned in the authentic brochure of the instrument  **Manufacturer shave have ISO 9001 Registered also  **Manufacturer Should have ISO and CE registered also submit the Certificate  System Should be Double Stage  System Should be Horizontal  **Cooling Water Consumption Approx: 80 ltr/hr  Output Approx: 1.5 ltr/hr  Conductivity: 0.8 to 1 µs/cm  ph: 6.0-7.0  Borosilicate condenser & boiler are fitted with a removable silica sheathed heater  **Exerw threaded connectors for ease of cleaning.  Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser  The stand is powder coated for rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.			
Distillation Unit  System Should be Horizontal Cooling Water Consumption Approx: 80 ltr/hr Output Approx: 1.5 ltr/hr Conductivity: 0.8 to 1 µs/cm ph: 6.0-7.0 Borosilicate condenser & boiler are fitted with a removable silica sheathed heater  & screw threaded connectors for ease of cleaning. Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser The stand is powder coated for rust free operation. The unit automatically switches off if water level in the boiler falls below heater. Cooling water from the condenser is re-circulated into the boiling chamber, Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage. Fuse is provided for safety in case of voltage fluctuation Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply. Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.			mentioned in the authentic brochure of the instrument  Manufacturer shave have ISO 9001 Registered also  Manufacturer Should have ISO and CE registered also submit the Certificate
Unit  Cooling Water Consumption Approx: 80 ltr/hr Output Approx: 1.5 ltr/hr Conductivity: 0.8 to 1 µs/cm ph: 6.0-7.0 Borosilicate condenser & boiler are fitted with a removable silica sheathed heater  & screw threaded connectors for ease of cleaning. Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser The stand is powder coated for rust free operation. The unit automatically switches off if water level in the boiler falls below heater. Cooling water from the condenser is re-circulated into the boiling chamber, Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage. Fuse is provided for safety in case of voltage fluctuation Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply. Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.	8		
Approx: 80 ltr/hr Output Approx: 1.5 ltr/hr Conductivity: 0.8 to 1 µs/cm ph: 6.0-7.0 Borosilicate condenser & boiler are fitted with a removable silica sheathed heater  & screw threaded connectors for ease of cleaning. Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser The stand is powder coated for rust free operation. The unit automatically switches off if water level in the boiler falls below heater. Cooling water from the condenser is re-circulated into the boiling chamber, Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage. Fuse is provided for safety in case of voltage fluctuation Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply. Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.			• Cooling Water Consumption
<ul> <li>Output Approx: 1.5 ltr/hr</li> <li>Conductivity: 0.8 to 1 μs/cm</li> <li>ph: 6.0-7.0</li> <li>Borosilicate condenser &amp; boiler are fitted with a removable silica sheathed heater</li> <li>&amp; screw threaded connectors for ease of cleaning.</li> <li>Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser</li> <li>The stand is powder coated for rust free operation.</li> <li>The unit automatically switches off if water level in the boiler falls below heater.</li> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>		Unit	
<ul> <li>Conductivity: 0.8 to 1 μs/cm</li> <li>ph: 6.0-7.0</li> <li>Borosilicate condenser &amp; boiler are fitted with a removable silica sheathed heater</li> <li>&amp; screw threaded connectors for ease of cleaning.</li> <li>Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser</li> <li>The stand is powder coated for rust free operation.</li> <li>The unit automatically switches off if water level in the boiler falls below heater.</li> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
<ul> <li>Borosilicate condenser &amp; boiler are fitted with a removable silica sheathed heater</li> <li>&amp; screw threaded connectors for ease of cleaning.</li> <li>Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser</li> <li>The stand is powder coated for rust free operation.</li> <li>The unit automatically switches off if water level in the boiler falls below heater.</li> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
are fitted with a removable silica sheathed heater  & screw threaded connectors for ease of cleaning.  Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser  The stand is powder coated for rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.			
sheathed heater  & screw threaded connectors for ease of cleaning.  Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser  The stand is powder coated for rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and  cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			
<ul> <li>&amp; screw threaded connectors for ease of cleaning.</li> <li>Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser</li> <li>The stand is powder coated for rust free operation.</li> <li>The unit automatically switches off if water level in the boiler falls below heater.</li> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
ease of cleaning.  Distillate temperature is around 25 to 45°C which is ensured by an efficient condenser  The stand is powder coated for rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and  cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			
25 to 45°C which is ensured by an efficient condenser  The stand is powder coated for rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			ease of cleaning.
an efficient condenser  The stand is powder coated for rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and  cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			Distillate temperature is around
<ul> <li>The stand is powder coated for rust free operation.</li> <li>The unit automatically switches off if water level in the boiler falls below heater.</li> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
rust free operation.  The unit automatically switches off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber, Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.			
<ul> <li>The unit automatically switches off if water level in the boiler falls below heater.</li> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
off if water level in the boiler falls below heater.  Cooling water from the condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and  cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			The unit automatically switches
<ul> <li>Cooling water from the condenser is re-circulated into the boiling chamber,</li> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			off if water level in the boiler
condenser is re-circulated into the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which protect the glass in case of water failure & Overheating.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
the boiling chamber,  Boiler is provided with a Replaceable Side Over Flow for easy draining and  cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			Cooling
<ul> <li>Boiler is provided with a Replaceable Side Over Flow for easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
Replaceable Side Over Flow for easy draining and  cleaning of boiling chamber, which also reduces the chances of breakage.  Fuse is provided for safety in case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			Boiler is provided with a
<ul> <li>easy draining and</li> <li>cleaning of boiling chamber, which also reduces the chances of breakage.</li> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			Replaceable Side Over Flow for
which also reduces the chances of breakage.  • Fuse is provided for safety in case of voltage fluctuation  • Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  • Equipped with in Built Safety Cut Off Device which  • protect the glass in case of water failure & Overheating.			easy draining and
of breakage.  • Fuse is provided for safety in case of voltage fluctuation  • Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  • Equipped with in Built Safety Cut Off Device which  • protect the glass in case of water failure & Overheating.			• cleaning of boiling chamber,
<ul> <li>Fuse is provided for safety in case of voltage fluctuation</li> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
case of voltage fluctuation  Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.  Equipped with in Built Safety Cut Off Device which  protect the glass in case of water failure & Overheating.			
<ul> <li>Electrical Power: 3KW, 220/240 V, 50/60Hz, Single Phase Supply.</li> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			case of voltage fluctuation
Supply.  • Equipped with in Built Safety Cut Off Device which • protect the glass in case of water failure & Overheating.			Electrical Power: 3KW, 220/240
<ul> <li>Equipped with in Built Safety Cut Off Device which</li> <li>protect the glass in case of water failure &amp; Overheating.</li> </ul>			
Cut Off Device which  • protect the glass in case of water failure & Overheating.			
protect the glass in case of water failure & Overheating.			Cut Off Device which
failure & Overheating.			
All Required Should be			failure & Overheating.
Till Acceptance			- All Reclaires
Available in Manufacture			1110
Brochure  • Vendor Should have			
Manufacturer Authorization.			V Chidoi
Manufacturer Should have ISO			

M R. A. A. A. A. A. O.

		and IEC registered also submit
		the Certificate
9	Bomb	Bench top
	Calorimeter	Working Principal: Iso-thermal
		Standards: BS 1016: Part
		5:1967IS: 1359-19591 P 12/63T
		16 x 2 characters LCD display
		with backlight
		Experiment Duration: 10-15min.
		Combustion Bomb Make: SS
		316
		Jacket Type: PUF Insulated SS  Jacket
		Oxygen Filling:
		Automatic/Manual
		Peak Temperature Detection:
		Fully Automatic
		Temperature Indicator:
	10	Microprocessor based Digital
	6	Temperature Indicator with
		Built-in Timer with Computer
	ía .	Interface & Software
		Temperature Measurement:
		Differential
		• Temperature Range: 10°C. to 60°C.
		Differential Temp. Range: 0 to 10°C.
		• Readability/Resolution: 0.01 °C
		Calorimeter Capacity: Up to
		20000 Cal/gm
		Printing: Inbuilt Thermal Printer
		Audio & Visual Alarm
		Clock: RTC (Real Time Clock)
		with inbuilt battery
		PC Interface: USB
		Microprocessor Based
		16 Soft touch key pad
		Automatic Calculation of
		Calorific Value.
		Puff Insulation SS Jacket
		• Single Phase 220-230V., 50 Hz.
/		Report Generation: PDF  All Provided Society Management (Society Management Society)
/		All Required Specification Must     be evaluable in Manufactures.
		be available in Manufacturer Brochure
		to recommendation control and
		Supplied with Oxygen Gas     Cylinder and Regulator
		• System must be NABL
		System must be NADL

Roma Any a

		Calibration
		Manufacturer Must be ISO
		Registered
		Authorization Must be Required
		Installation Demonstration will
		be required at site
10	Universal	Useable volume Should be 60 -
, -	Grinding	80 ml
	Mill	Maximum Speed Should be
	11222	28000 rpm or more
		• System should be Process Batch
		type for 2 different grinding
		procedures
		Impact grinding of hard, brittle  A partial grinding materials  Output  Description of hard, brittle  Description of hard
		or non-elastic grinding materials with high-grade stainless-steel
		beater.
		This beater can be used for a
		Mohs hardness up to 6 (incl. with
		delivery). Cutting grinding for
		pulverizing soft, fibrous
		materials with a cutting blade
		(not incl. with delivery).
		Moist and gluey materials can be
		pulverized by adding water
		Grinding chamber made of
		Tefcel (ETFE, glass fiber-
		reinforced) with stainless steel
		inlet (1.4571), useful volume 80
		ml (incl. with delivery).
		For embrittlement of grinding
		materials with liquid nitrogen in the grinding chamber -
		the grinding chamber - Optionally, a 250 ml grinding
		chamber is available
		• System Operating principle
		Should be cutting/impact
		Motor rating input Should be 160
		W
		Motor rating output Should be
		100 W
		Circumferential speed max
		Should be 53 m/s or better
		Max Feed hardness Should be 5
		or 6 Mohs
		Feed grain size should be Max.
		10 mm or better
		Material beater/cutter Should be
		of stainless steel 1.4034
		Material milling chamber Should
		be of stainless steel 1.4571
		Power-ON time Should be 1 min
		or better

M Rome And at

		Power-OFF time Should be 10
		min or better
		Mill feed can be cooled in
		milling chamber with dry ice
		Mill feed can be cooled in
		milling chamber with liquid
		nitrogen
		Permissible ambient temperature
		Should be 5 - 40 °C or better
		Permissible relative humidity
		Should be 80 % or better
		Protection class according to
		DIN EN 6052 Should be IP 43 or
		better
		Supply with Spare beater
		All Required Specification
		Should be Manufacture Brochure
		Authorization Must be Required
11	Water Bath	2 Rows 6 Holes, Inner Volume
-		18L approx.
		Temp Range: Rt+5-100°C
		Temp Resolution Ratio: 0.1° C
		Temp Accuracy: +/- 0.5° C
18	100 411	Temp Uniformity: +/- 1° C
		Water sink: Stainless steel,
		surface electrolysis treatment
		Outer shell: Cold rolled steel
		plate, surface electrostatic
		powder spray
		Heater: Stainless steel U type
		heating tube
		• Timer: 0 to 999 min. (with
		timing function)
		Timing function: Fixed
		temperature operation, timing
		function, auto stop.
		Program: Optional: multi-section
		program control
		Additional function: Deviation
	U.	correction, menu key lock, power
		failure back-up, power-off
		parameter memory, PID adjustable
		Safety device: Over-temperature alarm, short-circuit protection
		Power rating: 1200W
		anternal versine (approxi). To 2
		Sever apprenie, Sta 120mm
		Cover Rings per hole: 5     Power Supply: Adenter Using
		Power Supply: Adaptor, Using     AC 220V,50/60Hz
		AC 220 V, 50/00112

51

Pm &

Stay of

12	Wildlife	• 2 Rows 6 Holes, Inner Volume
12	Telescope	18L approx.
	recessor	• Temp Range: Rt+5-100°C
		Temp Resolution Ratio: 0.1° C
		• Temp Accuracy: +/- 0.5° C
		Temp Uniformity: +/- 1° C
		• Water sink: Stainless steel,
		surface electrolysis treatment
		Outer shell: Cold rolled steel
		plate, surface electrostatic
		powder spray
		Heater: Stainless steel U type
		heating tube
		• Timer: 0 to 999 min. (with
		timing function)
		Timing function: Fixed
		temperature operation, timing
		function, auto stop.
		Program: Optional: multi-section
		program control  • Additional function: Deviation
		correction, menu key lock, power failure back-up, power-off
		parameter memory, PID
		adjustable
		Sensor: Thermal resistor
		Safety device: Over-temperature
		alarm, short-circuit protection
	*	Power rating: 1200W
		Internal volume (approx.): 18L
		Cover aperture: Dia 120mm
		• Cover Rings per hole: 5
		Power Supply: Adaptor, Using
		AC 220V,50/60Hz
		All Required Specification
		Should be Manufacture Brochure
		Authorization Must be Required
13	Wildlife	Light weight
10	Acoustic	Compact
	Song Meter	Weatherproof
	Solig Meter	Built in microphone
		Change setting and schedule
		wirelessly via Bluetooth
		Automatically send recording
		status via Bluetooth
		• Run time: 180 hrs
		Power option: 3AA alkaline or
		rechargeable NiMH Batteries
		Warranty: 1 year
		All Required Specification     All Required Specification
		Should be Manufacture Brochure
		Authorization Must be Required

W Ku

H of As and

	Illtungania	
14	Ultrasonic	• Compact,
	Bat detector	User-friendly
		Recording and analysing bat
		echolocation calls
		Equipped with a high-quality
		ultrasonic microphone to record
		bat sounds with exceptional
		clarity
		Integrated GPS for precise
		location tagging
		SD card slot for extensive data
		storage
		Weather-resistant
		long battery life
		SD Card
		1 year warranty
		All Required Specification
		Should be Manufacture Brochure
		Authorization Must be Required
15.	Sherman	• Large,
	Trap	• Folding
	<b>··</b> P	GI made mammal trap
		• Dimension with 3 x 3.5 x 9"
	¥5	(7.62 x 8.89 x 22.86 cm) or 4 x
		4.5 x 12
		Perforated or non-perforated.
		Durable for field conditions

Signature of the Bidder with Seal

Name:

Designation:

Address:

Ayar

5

Compliance with Code of Integrity and Conflict of Interest Code of Integrity

Any person participating in procurement process shall -

(a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;

(b) not misrepresent or omit information that misleads or attempts to mislead so as to

obtain a financial or other benefit or avoid an obligation;

(c) not indulge in any collusion, bid rigging or anticompetitive behaviour to impair the transparency, fairness and progress of the procurement process;

(d) not misuse any information shared between the procuring entity and the bidders with an

intent to gain unfair advantage in the procurement process;

(e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;

(f) not obstruct any investigation or audit of a procurement process;

(g) disclose conflict of interest, if any; and

(h) disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

#### Conflict of Interest: -

The bidder participating in a bidding process must not have a Conflict of Interest.

a) A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

b) A Bidder may be considered to be in Conflict of Interest with one or more parties

in a bidding process if, including but not limited to:

c) have controlling partners/shareholders in common; ord) receive or have received any direct or indirect subsidy from any of them; or have

the same legal representative from purpose of the Bid; or

e) have the relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decision of the Procuring Entity regarding the bidding process; or The Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as Bidder, in more than one Bid; or

f) The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the Goods, Works or Service that are the subject of the Bid; or Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge /consultant for the

contract.

Date: Place:

Signature of the Bidder with Seal

Name:

Designation:

Address:

Address.

Address.

# Declaration by the Bidder regarding Qualifications (To be submitted by the bidder on his Letter Head)

pro	their Notice Inviting Bids No/We hereby declare under section 7of Rapocurement Act, 2012, that:	in response to Dated
1.	I/We possess the necessary professional, technical, fand competence required by the Biding Document issu	
2.	I/We have fulfilled my/our obligation to pay such of the State Government or any local authority as specific	the taxes payable to the union and cation in the Bidding Document;
3.	I/We have been not insolvent in receivership, bankrumy/our affairs administrated by a court or a judicial activities suspended and not the subject of legal proreasons;	officer, not have my/our business
4.	I/We do not have, and our directions and officers of criminal offence related to my/our professional constatement or misrepresentations as to my/our qualification contract within a period of three years preceding the coprocess, or not have been otherwise disqualified pursual	inducted or the making of false ations to enter into a procurement ommencement of this procurement
5.	I/We do not have a Conflict of Interest as specification document, which material affects fair competition.	in the Act, Rules and the bidding
Date	e:	
Plac	ce:	
		Signature of the Bidder with Seal
		Name:
		Designation:
		Address:

J.

R.m.

Spanor

### **Grievance Redressal during Procurement Process**

The designation and the address of the First Appellate Authority: Hon'ble Vice-Chancellor, Agriculture University, Kota.

The designation and the address of Second Appellate Authority: Additional Chief Secretary, Agriculture, Government of Rajasthan.

1. Filing an Appeal:

If any bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued thereunder, he may file an appeal to first Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Providing that after the declaration of a Bidder as successful the appeal may be filled only by a Bidder who has participated in procurement proceeding:

Providing further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filled only by a Bidder whose Technical Bid found to be acceptable.

- 2. The officer to whom an appeal is filled under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.
- If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the Procuring Entity, as the case may be, may file a second appeal to second Appellate Authority specified in the Bidder Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the first Appellate Authority, as the case may be.

4. Appeal not to lie in certain cases:

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely: -

- (a) determination of need of procurement
- (b) provisions limiting participating of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality

5. Form of Appeal:

- (a) An appeal under para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to first Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

#### 6. Fee for Filling Appeal:

- (a) Fee for first appeal shall be two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

#### 7. Procedure for Disposal of Appeal

- (a) The first Appellate Authority or Second Appellate, as the case may be upon filing of appeal, shall issue notice accompanied copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date of fixed for hearing, the First Appellate Authority or second Appellate Authority, as the case may be shall, -
  - (i) hear all the parties to appeal present before him; and
  - (ii)Peruse or inspect documents, relevant records or copies thereof relating the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

-	_			
П	)	9	to	
1	J	a	u	

Place:

Signature of the Bidder with Seal

Name:

Designation:

Address:

me & St.

#### **Additional Conditions of Contract**

1. Correction of Arithmetic Errors:

Provided that a Financial Bid is substantially responsive, the procuring entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

(i) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the procuring entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;

(ii) if there is an error in a total corresponding to the addition or subtraction of subtotals,

the subtotals shall prevail and the total shall be corrected; and

(iii) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accepted the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procurement Entity's Right to Vary the Quantity:

(i) At the time of award of contract, the quantity of goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms & conditions of the Bid and the conditions of contract.

(ii) If the procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation except

otherwise provided in the conditions of contract.

(iii) In case of procurement of goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the procuring entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

3. Dividing quantities among one than more Bidder at the time of Award (in Case of

Procurement of Goods):

As a general rule, all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidders, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Date:

Place:

Signature of the Bidder with Seal

Name:

Designation:

Address:

I Pro & Ans at

## AGRICULTURE UNIVERSITY, KOTA GENERAL TERMS AND CONDITIONS OF TENDER

NOTE: - Tenderers should carefully read these conditions and comply strictly while submitting their tenders. If a tenderer has any doubt regarding the interpretation of any of the conditions or specifications mentioned in the Tender Form/Notice, he should refer these to the Dean, College of Horticulture and Forestry, Jhalawar and obtain clarification before submitting the tender. Decision of University regarding the interpretation of the conditions and specifications shall be final and binding on the tenderer.

#### 1. DEFINITIONS:

- (1) The term 'the contract' shall mean the invitation to tender, the instructions to the tenderers, acceptance of tender hereinafter defined and those general conditions and special conditions related to the tender.
- (ii) The term 'the contractor' shall mean the person, firm, company or anybody to whom the order for the supply is placed. In the case of person, it shall be deemed to include his successors, heir and legal representatives where the context so requires.
- (iii) The term 'delivery' shall mean delivery by the stipulated dates and the places specified in these conditions or special terms and conditions and/or supply order issued in this regard.
- (iv) The term 'Central Stores Purchase Committee' shall mean the Stores Purchase Committee constituted by the Agriculture University, Kota.

The tenders will be opened before the Committee constituted for the purpose by the University in the office of the **Dean**, College of Horticulture and Forestry, Jhalawar or as specified in the NIT/special terms & conditions. Tenderers may be present in person or may authorize one representative to be present at the time of opening of the tenders.

- 3. <u>Tenderer who is not GST business is located shall not be eligible to participate in the tender.</u> <u>Should be quoted and a Sales Tax Officer.</u>
- 4. The tender should be filled in ink or typed. Tender filled by pencil shall not be considered.
- 5. (i) Rates must be written both in words and figures. If there is any variation in words & figures, the lower of the two shall be considered. There should be no erasure, alteration or overwriting in the tender. Where any alteration is made, it should be initialled with date by the tenderer failing which such tender may be rejected. No paper shall be detached from the tender document.
  - (ii) Rates must be quoted F.O.R. Destination at the Indent or Office or at specified places mentioned in the special terms & conditions and should include all charges and taxes except Central/Rajasthan Sales Tax/VAT. However, effective rate of tax at the time of filling of the tender be shown separately.
- 6. The tenderer is not expected to quote for more than one product where the specification are fairly clear and not more than two in any case. If any tenderer will quote for more than two products, his offer may not be considered in respect of those items.
- 7. (i) Tenders shall be valid upto 180 days from the date of tender.

4

Run

\* (

of Ay a

- (ii) After a tender has been accepted, the rates shall remain valid throughout the period for which tenders are invited.
- (iii) If at any time during the period of contract the contractor reduces the sale price of Tendered items/equipment to any other purchaser at a price lower than the price approved under the contract, he shall forthwith inform such reduction or sale to the **Dean**, College of Horticulture and Forestry, Jhalawar and the price payable under the contract for the Tendered items/equipment supplied after the date of coming into force of such reduction in sale shall stand correspondingly reduced. The successful tenderer has to furnish certificate to the effect that the provision of this clause has been fully complied with in respect of supplies made or billed for up to the date of certificate. The successful tenderers shall furnish this certificate to the **Dean**, College of Horticulture and Forestry, Jhalawar at the beginning and at the end of each six-monthly period thereafter during the currency of the contract and at the end of the contract period that they had complied with this clause of the contract. In case of breach of this condition the tenderer may be black listed and debarred in future.
- 8. (1) Tenderers shall specifically mention their capacity while submitting the tender.
  - a) Whether signing as a "Sole Proprietor".
  - b) Whether signing as a "Partner" of the firm.
  - c) Whether signing as Secretary, Manager, Director etc. in the case of Companies Authorization of this effect be submitted with the tender.
- (ii) Tenderers should sign the tender form at the end of each page as a token of his acceptance of all the terms and conditions of the tender and should also sign the page on which rates are quoted.
- (iii) If the tenderer resiles from his offers or add new terms & conditions after opening of the tender, his earnest money is liable to be forfeited.
- (iv) The submission of more than one tender for the one and same category and under different names is prohibited. If it is discovered at any time that this condition has been violated, the tender submitted by such firms shall be rejected or contract(s) shall be cancelled and the earnest money or security deposit(s) shall be forfeited.
- 9. The tender must be accompanied by Earnest Money as per the NIT, without which tender will not be considered and rejected outright. The earnest money shall be in form of Demand Draft/Banker Cheque of a scheduled bank.
- 10. Successful tenderer has to deposit security @ 5% of the ordered value in addition to earnest money submitted at the time of tender. The amount is to be deposited in the office of indenter in the form of Demand Draft/ online. Cheque and FDR are not acceptable for earnest money and security deposit. No interest will be paid against security money.
- 11. It is emphasized that no tender will be considered without earnest money. Request for adjustment of previous security/earnest money or deduction of earnest money amount from pending bills shall not be considered.
- 12. The earnest money will be refunded to all unsuccessful tenderer after finalization of the tender. Earnest money of successful tenderer will be retained as security for the full period of contract and it will be refunded within six months after the expiry of contract period provided there is no complaint from any of the indenting (purchasing) officers.

N Rom

Sydnat

- 13. Successful tenderers will have to execute an agreement in the prescribed form with Dean, College of Horticulture and Forestry, Jhalawar on a non-judicial stamp of Rs. 500/which will be purchased by the successful Tenderer in his name and at his cost, within a period of seven days from the date on which the acceptance of the tender is communicated to him. The acceptance shall be treated as complete on positing the letter of acceptance in the post office (U.P.C.) by the University.
- 14. The contractor shall be responsible for goods being sufficiently and properly packed for transport by rail or road transport so as to ensure their being free from loss and breakage till the delivery of goods at the stores of the indenting (Purchasing) Officer. If the contractor so desires, he may insure valuable goods. For loss or damage, breakage, leakage or shortage discovered by the Intender, the contractor shall be liable to make good the same at his own cost. The tenderer may present himself or depute any of his representatives to watch any damage or loss discovered at the destination to verify the same if desired.
- 15. The successful tender shall not assign or sub-let the contract or any part thereof to any other party.
- 16. (1) Two sets of the samples of items of the various categories of tenders should be submitted on or before the due date and time of receipt of the tender, where sample is required along with separate challan in duplicate in the proforma mentioned below, in the office of the Dean, College of Horticulture and Forestry, Jhalawar. Without samples the tender will not be considered for such items. The samples submitted in the past shall not be considered. The samples sent should be of the same quantity as asked for.

#### FORM OF CHALLAN FOR SAMPLES

Name	Č	<b>&amp;</b>	address	of	
firm			Tender		
Notice No.	categor	y (if any)	Due date		
Item No.	Brief Description	Quality of samples	Number of samples		
of the sample		submitted against			
Market State Control		each quality			
(ii) Sample	es must be submitted	fully sealed and shoul	d bear label with the partic	ulars as	

- mentioned below:-
  - (a) Name and full address of the firm.
  - (b) Tender Notice No., Tender Code, Item Number and due date of the tender
  - (c) Brief description of the sample.
- (iii) Samples without challans in triplicate will not be accepted.
- (iv) Outside firms are requested to send form of challan in duplicate along with the samples and Railway parcel should be sent as "Fully Paid Home Delivery Parcel", so that the samples are received in the office of the Comptroller, Agriculture University, Kota on or before the due date of receipt of tender. The consignee is in no way responsible for getting the parcels from the Railway Premises.
- (v) In case the samples are sent by Railway parcel the R.R. should be posted by Registered post to the Dean, College of Horticulture and Forestry, Jhalawar.
- (vi) Approved samples will be retained by the University without payment of cost up to a period of six months after the expiry of contract period. The University shall not be responsible for any damage, wear and tear or loss during testing, examination etc. during

the period these samples are retained. The samples shall be collected by the contractor on the expiry of stipulated period. The University shall in no way make arrangements to return the samples thereafter by Railway or other mode of transport even if the contractor agrees to pay the cost of such transport. The samples not collected within 3 months after the stipulated date shall be forfeited by the University and no claim for their cost etc. shall be entertained.

- (vii) Samples of unapproved items shall be collected by the tenderer (if any) to the extent samples are not destroyed or consumed during testing and examination. The University shall in no way make arrangement to return the samples by Railway or other mode of transport.
- (viii) Samples should be strictly according to the specification given in the tender form otherwise they will not be considered.
- (ix) No change in marking on samples will be allowed after submission of the sample.
- 17. (i)All goods (approved supplies) must be sent freight paid. If goods are sent freight to pay, the freight together with an administration change of 10% of the freight charges will be recovered from the supplier's bills.
  - (ii) RRS or GRS should be sent under a registered cover. No. RR or GR will be accepted if it is sent by V.P.P. or through bank.
  - (iii) Each bale or package shall contain a packing note quoting the acceptance order or supply order no. date and details of contents.
  - (iv) In case the supply is called for by the Purchasing Officer by Railway Passenger train, half of the Railway Freight will be borne by the Purchasing Officer.
  - (v) Payment for the supply shall be due and payable by the Purchasing Officer to whom supply is made when the goods are delivered strictly in accordance with the supply order and is found to be having required standard quality or tallies with the sample.
  - (vi) All the goods supplied should be of the best quality as per the specification, trade mark laid down for them and in strict accordance with the approved standard samples. The decision of the Purchasing Officer of University shall be final as to the quality of the goods and binding upon the approved supplier. In case, any of the articles supplied are not approved these shall be liable to be rejected and any expenses incurred or loss caused the University or to the supplier as a result of rejection of supplies, shall be entirely on approved supplier's account.
  - (vii) The rejected articles must be removed by the tenderer, from the destination where they lie within a period of 30 days from the date of rejection notice. The officials will take reasonable care of such materials but will not be responsible for any loss or damage that may occur to these articles while it is on their premises.
  - 18.(i)The material ordered will have to be supplied within a period as specified or of 2 weeks from the receipt of supply order. The material will have to be delivered at the Premises of Indenting Officer at the cost & risk of approved supplier. If the ordered goods are not supplied in the stipulated period, the intending officers may extend the time of delivery with liquidated damages as per general terms and conditions.

The rate of liquidated damages for delayed supply is as under:-

N Pm

S. No.	Period of delay	Rate of liquidated damages on the value of the stores /equipment's failed to supply in the prescribed delivery period
1.	Delay up to one fourth period of the prescribed delivery period	2.5%
2.	Delay exceeding one fourth but not exceeding half of the prescribed delivery period	
3.	Delay exceeding half but not exceeding three fourth of the prescribed delivery period	7.5%
4.	Delay exceeding three fourth but not exceeding the period equal to the prescribed delivery period	10%

However, if the reason for the delay is beyond the control of the approved supplier, the issue may be referred through Intending Officer to the University for granting extension without liquidated damages. The approved supplier has to ensure that the ordered goods/items have been delivered at FOR destination i.e. at the office of intending officer or at the placed mentioned in supply order. Approved supplier is also responsible for proper packaging and mode of requisite transport. Packaging cost, transportation cost and transit risk (up to delivery) is to be borne by the approved supplier. For valuable goods insurance and other charges are also to be borne by the approved supplier.

- (ii) The supply against an order marked URGENT will be made immediately and will be completed in full by the contractor within 15 days or time indicated whichever is less from the date of issue of order.
- (iii) In case the supply is not made according to the supply order in full within a period specified from the date of order, the earnest money will be forfeited.
- (iv) When the tenderer is unable to complete the supply within the specified period or the extended period (when supply period is extended) the Purchasing Officer shall be entitled to purchase the goods from open market at the risk and cost of the approved supplier without any notice to the tenderer. The goods in full or any part thereof which the tenderer has failed to supply, the tenderer shall be liable to pay the loss or damage which the Purchasing Officer may suffer by reasons of such failures on the part of tenderer. But the tenderer shall not be entitled to any gain on such purchase made against default. The recovery of such loss of damage shall be made from any sums payable to the tenderer under this or any other contract within the University. If recovery is not possible from the bill and tenderer fails to pay the loss or damage within one month of the RTPP.

While making the risk purchasing the Purchasing Officer may exercise his own discretion. In all cases, where orders are cancelled due to non-supply of goods, it will be treated as a breach of the contract and the Purchasing Officer shall take action accordingly. In all such cases tenderer will be black listed & debarred from future dealing with the University.

Note: It is clarified that Purchasing Officer may resort to risk purchase without granting any extension as provided in Condition No. 18 (i)

(V) When the supplier is unable to complete the supply within the specified or extended period, the University shall forfeit the Earnest Money/Security Money in full or in part as it may deem fit.

When the Earnest Money/Security Money in full or in part is proposed to be forfeited, a show cause notice for a period of 10 days will be given to the supplier for not making the supplies in time and why not the Earnest Money/Security Money in full or part thereof as specified in the notice be forfeited.

- 19 (i) The quantities for the various items in the tender are approximate and subject to variation. The supplies will have to be made according to requirements as and when supply orders are placed throughout the contract period.
  - (ii) If supply orders are placed in excess of the quantities shown in the tender form, the contractor will be bound to meet the required excess supply up to 50% of the tendered quantity besides that

M

R-

1

distrat

notified in the tender on the same rates and conditions. If the contractor fails to do so, the security deposit shall be forfeited & ban on future business shall be imposed. If the supplier does not communicate within 7 days of the receipt of the supply order for the excess quantity, it will be presumed that the supplier agrees to supply the ordered quantity on the approved rates.

- (iii) If the purchases of the items approved are not made at all or purchases are made for lesser quantity than that indicated in the tender, the supplier will not be entitled to claim any compensation whatsoever on this account.
- 20. (i) All articles supplied shall strictly conform to the specifications laid down in the tender form. The supply of articles marked with asterisk or words "SAMPLES REQUIRED" shall in conform to the approved samples. The decision of the Purchasing Officer/Comptroller/Central Stores Purchase Committee (Whether the articles supplied conform to the specifications and are in accordance with the samples) shall be final and binding on the supplier.
  - (ii) If even a small percentage of supplies or any unit drawn randomly from bulk supplies does not conform to the standard of the tendered sample, then the entire supply is liable to be rejected and no excuse whatsoever (viz. manufacturing difficulties, non-availability of raw materials etc. shall be entertained) for deviation in quality will be entertained.
  - (iii) If the goods or articles fail in comparison with the samples or in test they will be rejected and will have to be replaced by the supplier at his own cost & risk within the prescribed limit.
  - (iv) If, however, due to exigencies of University works, such replacement either in whole or in part. is not considered feasible, the Comptroller or the Purchasing Officer (after giving an opportunity to the contractor of being heard) shall for reasons to be recorded in writing deduct suitable amount from the bill of supply. The deduction so made will be final and binding on the supplier. If the supplier fails to appear for hearing the decision of the indenting officer without hearing the supplier shall be final & binding on the supplier.
  - (v) Articles which are prima facie defective or not in accordance with the accepted tendered sample shall not be stored in the University Stores or indenting officers, stores and if kept they shall be at the risk and responsibility of the supplier. The rejected articles must be removed by the supplier within a period of 3 days of the date of receipt of information of rejection after which the Purchasing Officer or the Comptroller shall have the right to dispose off such articles as deemed proper at the contractor's risk and on his account. The Purchasing Officer shall also have the right to charge rent for storage of such rejected articles from the contractor at the rate to be fixed by him. His decision regarding rent will be final and binding on the supplier.
- (vi) The contract for the supply can be repudiated at any time by the Comptroller, if the supplies are not made to his satisfaction after giving an opportunity to the contractor of being heard and the reasons of repudiation shall be recorded by the Comptroller.
- 21. Any increase in Excise Duty or other similar tax if imposed by the Central or state Government after due date of Tender will be paid extra. Similarly any reduction in them after the due date will be paid less to the approved supplier.
- 22. Remittance charges on payment made to the firms will be borne by the approved supplier/contractor,
- 23. Tenderers are requested to send printed descriptive literature, catalogue, photo literature of the articles if any with their tenders offers for convincing about the quality and usage of the articles but direct/indirect canvassing on the part of tenderers or their representatives after the submission of the tender shall disqualify them.
- 24. The University reserves the right to accept any tender not necessary the lowest, reject any tender without assigning any reason and accept any tender for all or any one or more items or the articles for which tender has been invited.

N R.m

As at

25. It is made clear that the tender must be submitted accurately in accordance with the condition of the tender and that necessary documents must invariably be enclosed wherever demanded. In the event of non-submission of these essential documents, the tender shall not be considered and shall be treated as rejected without notice or any reference.

The following documents when furnished must hold good for the entire period of the tender. failing which these will be considered as invalid documents:

- (a) Documents to prove the capacity of the tenderer as: Manager/Proprietor/Partner/Managing Partner/Director/Secretary/Sole Distributor / Manufacturer.
- (b)Documents to prove the tenderer as registered with the Director General of Supplies & Disposals, New Delhi or National Small Scale Industries Corporation.
- (c) Sales Tax Clearance Certificates.
- All the documents be submitted in original or copies of the original documents can be acceptable only if these are attested by the "Govt. Gazetted Officer". Self-attested or unattested copies of such documents will not be considered valid.
- 26. The tenderers should not quote their own conditions while submitting the tenderers. Any counter conditions or counter proposals submitted by the tenderers will not be considered at all. If a tenderer imposes conditions which are in addition to or conflicting with the conditions mentioned herein, the tender is liable to be rejected.
- 27. Legal proceedings, if any arising out of this tender shall have to be lodged in Courts situated in Jhalawar and not elsewhere.
- 28. Tenderers are expected to satisfy themselves that they will be able to supply the articles tendered by them in full if their tenders are accepted. No plea that the manufacturer has either stopped the manufacturing or manufacturer has increased the prices of the tendered items or the items is not being imported due to certain restrictions shall not be considered. Successful tenders will be bound to supply the ordered articles in all circumstances and on the approved rates only.
- 29. Tender must be submitted on the prescribed tender forms only which can be obtained from the Comptroller, Agriculture University, Kota on payment as specified in the NIT. The cost of tender forms sent or deposited in the University shall neither be refunded nor adjusted towards any subsequent tender in any case. The whole set of tender form should be submitted after quoting the prices of each item in the space provided. If the tenderer does not wish to quote for some items, words "NO QUOTATION" against such items should be mentioned. Tenderer should keep one copy of the tender form, out of the two supplied to him as his office copy.
- 30. Where a particular make or size is stated in the tender form, no alternative should be suggested. The alternatives suggested will be ignored and the tenderer shall be assumed to have quoted for the tendered items with specifications as mentioned in the tender form.
- 31. Separate covering letter or communication should be sent for separate category of tenders and tenders should be submitted separately for each category. Tenders received in mixed with more than one category may not be considered.
- 32. The decision of the **Dean**, College of Horticulture and Forestry, Jhalawar in all matters relating to the tender will be final and binding upon the tenderers.
- 33. The Earnest Money deposited at the time of submission of tender will be automatically converted into Security Money and if the amount of Security Money is more than the earnest money deposited, then the remaining amount of Security Money will have to be remitted by the contractor.

1 Roman & Shap

Ay at

34. The tender shall on intimation of acceptance of the tender offer from the **Dean**, College of Horticulture and Forestry, Jhalawar shall submit an agreement bond on non-judicial stamp of Rs. 500/- within period specified in the letter and also deposit the amount of Security Money if required as per conditions No......along with the agreement bond, failing which the earnest money deposited, with the tender offer will be forfeited.

7Dean

College of Horticulture and Forestry, Jhalawar

I/We certify that I/We have read the General Terms and Conditions of the tender and that I/We agree to abide by General Terms and Conditions.

SIGNATURE OF TENDERER

R-m

Ay at

#### AGREEMENT

I. An agreement made this
<ol> <li>whereas the approved supplier has agreed with the college to supply to the at its office. All those items set forth in the schedule appended hereto in the manner set forth in the conditions of the tender and contract appended herewith and at the rates set forth in column of the said schedule.</li> </ol>
3. And whereas the approved supplier has deposited a sum of Rs vide Demand Draft/NEFT/RTGS No dated: as security deposit/ performance security.
4. Now these presents witness:
(I) In consideration of the payment to be made by the college through cheque at the rates set forth in the order
(2) The conditions of the BID and contract for open BID enclosed to the BID notice No
(3) Letters No received from BIDDER and letters No issued by the college and appended to this agreement shall also form part of this agreement.
(4) (a) The college do hereby agree that if the approved supplier shall duly supply the said items in the manner aforesaid observe and keep the said terms and conditions, the college will through
(b) The mode of payment will be as specified below: -
i. After 7 days from submission of supply bill & satisfactory completion of supply as per order.
ii. The delivery shall be affected and completed within the period mentioned in the supply order.
5. In case of extension in the delivery period with liquidated damages, the recovery shall be made on the basis of following percentages of value of stores which the BIDDER has failed to supply:
(a) Delay upto one fourth period of the prescribed delivery period. 2.5 %
b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period. 5 %
c) Delay exceeding half but not exceeding three fourth of the prescribed delivery period. 7.5 %
d) Delay exceeding three fourth of the prescribed delivery period. 10%

N Rught Of Any at

Note:

(i) Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.

- (ii) The maximum amount of agreed liquidated damages shall be 10%
- (iii) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hinderances, he shall apply in writing to the authority which had placed the supply order for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
- (iv) Delivery period may be extended with or without liquidated damages if the delay in the supply of items is on account of hinderances beyond the control of the BIDDER.
- 6. Estimated supply cost in currency of rate contract period in Rs. 20.00 Lacs but no minimum quantity/ cost in guaranteed and no compensation shall be paid for this BIDDER have to fulfil the work on Bided/ approved rate in place. time and period as given by Dean, College of Horticulture and Forestry, Jhalawar.
- 7. Security deposit/ Performance security shall be refunded soon after successful completion of period of Rate contract/warrantee. No interest shall be given on this & after.
- 8. Security deposit/Performance Security shall be 5% of order of supply value. Earnest money will be adjusted towards this if tenderer wishes so and remaining shall be submitted in the form of D.D. on the same day of the agreement. Failing which empower the university to forfeit the earnest money and cancel to BID. If BIDDER wants to refund the earnest money, he shall submit the security in full.
- 9. All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by the College and the decision of the College shall be final.
- 10. In case any matter is silent, it shall be governed by RPPR-2013 (Rajasthan Transparency in public Procurement Rures, 2013 to be seen on Finance Department website www.financerajasthan.gov.in)

In witness whereof the parties hereto have set their hands on the	dayof	2025
is witness who roof the parties hereto have set their hands on the	udy Ui	2023
in withess whereof the parties hereto have see than have	AND ADDRESS OF A	

Signature of the approved supplier

Dean

Date:

Witness No. 1

Witness No. 1

Witness No. 2

Witness No. 2

1

Rias Y

Sy Awar