

VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY

Jnana Sagara Campus, Vinayakanagara, Cantonment, Ballari - 583 105.

NO. VSKUB/CEMARF/Quotation/2023-24/62

QUOTATION

Date: 11/11/2023

Sealed quotations subscribing the name of work 'Supply and Installation of Equipments to Center of Excellence for Multidisciplinary Advanced Research Facility (CEMARF) at Vijayanagara Sri Krishnadevaraya University, Jnana Sagara Campus, Ballari'. So as to reach this office on or before 20/11/2023 upto 5.30PM and quotation should be addressed to Registrar, V S K University, Vinayakanagara, Cantonment, Ballari.

NAME OF WORK: SUPPLY AND INSTALLATION OF EQUIPMENTS TO CENTER OF EXCELLENCE FOR MULTIDISCIPLINARY ADVANCED RESEARCH FACILITY (CEMARF) AT VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY, JNANA SAGARA CAMPUS, BALLARI.

TABLE

Sl.			Qt	Rate quoted per Unit (In Rs)	
No .	Instrument Name and specification	Unit	y	In words	In figur e
	CEMARF				
1	 X-ray Generator: Tube load-500W or more, Tube voltage-30k V (Variable) or more, Tube current-15mA (Variable) or more, High voltage generation-High frequency method, Stability ±0.05% (for a ± 10% variation in line voltage), X-Ray shutter-Mechanical rotary shutter linked to Main door. X-ray tube-Cu 1.0kW or higher Goniometer Details: Type-Vertical Theta θ or 2θ, Radius minimum 140mm or more, Scanning method: θ-2θ coupling mode, Drive system-Pulse motor drive, Scanning range –at least -3 ~ +145° (2Theta) or more, Scanning Speed-atleast 0.01~ 100°/min (2Theta) or more, Minimum step width- atleast 0.005° (2Theta), Variable DS- Effective below 20°(2 θ) to limit measurement area 20mm width, Angular Accuracy Better than-0.02°, Variable Divergence-Slit, SS (Scattering slit)-1.5° or better, Soller slit-2.5° or better, K-Beta reduction-Ni-Filter Sample Holder-Standard sample holder for accommodating both solid (metallic) and powder samples. 	No	1		

	• X-ray Detector Detail F 115	
	Truy Detector Details-Fast 11) solid state multi-	_
	reak Scarcii Dackground calculation and subtraction B. G.	
	Tomoval. I cak Sparch	1
	• Integrated Intensity calculation Background calculation	1
	Profile Smoothening, K-a2 calculation and removal, Peak search, LPA	1
	calibration, Integrated calculation	
	Saled calculation	
	Multiple Recording Software: Software for Qualitative Analysis: Si Standard (NIST Traceable)	1
	(Tacadic)	1
	Computer: Computer and Suitable Co	
	actuated system description document and analytic	
1	tradic uclacilineni/reningona	
	Installation & training Installation of the	
	Bellary, at free of cost. Operational training to be provided to respective	
+	group of instrument operators	
	Scanning Electron Microscope with EDX	
1	• Electron Microscope type: Conventional/ Floor Mad-141: 1 P	
	Tessure Schistiguid have high and low vigority	
1	and the solution: a. 4nm at 70k V (WD=5 mm LI:-1 V	
	The still vacilim mode of Som of 20171 (117)	
	\perp	
	Acceleration Voltage: 0.3 to 20KV, Magnification: v5 to v200 000	
	(magnification of image) X16 to x800,000 (magnification of actual 1)	
	Beam Brightness System: Constant and high emission august at	
	accordating voltage levels for enhanced brightness retention and 1	
	class image sharpness with high S/N ratio even at low accelerating and the	
	to capturing beam-sensitive samples. Column Liner Tube Design C	
	casy cleaning and replacement of condenser lens aperture without	
	dismantling column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and without disturbing the beam alignment to a column and a column	
	the quick analysis, BSE Image Band Improvement Filter: capable to	
	observe the images in the FAST scan mode without distortion like a drift of	
	image in the high gain, Low Vacuum Range: 6 to 100Pa (13 steps) for low	
	vacuum analysis	
•	Detectors: Secondary electron detector High sensitivity 5-segment	
	Backscattered electron (Semiconductive type) detector for composition 3D'	
	and topography which works in both high and low vacuum	
•	Vacuum System: Must be fully automated valve system from renowned	
	manufacturers like pfeiffer, ulvac, agilent, or neodry. The TMP with 61 1/s	
	and RP with 100L/min (50Hz), 120L/min (60 Hz) Pump capacity, pumping	
	down time from cold start and specimen exchange time to be indicated.	
•	Filament: Factory Pre-centered cartridge type Tungsten hairpin filament for	
	optimized performance and must have filament lifetime indication technology.	
	Specimen stage should be 3 Axis- Motorized Stage X=0 to 50mm, Y=0 to	
•	William Dingon V to John I TV to	
•	40mm, Z= 5 -33 mm, T= -15° to +90°, R= 360°	

	range 64mm in diameter (combined with Rotation) with optimum thickness				
	with online specimen dimension measurement facility. Image Data Saving	1.02			
	and Format: upto 5,120x3,840 pixel and BMP, TIFF, JPEG, Auto Axis				
	Alignment: Multiple alignments, including optical axis and gun alignment				
	after filament replacement, should be automatically controlled. This				
	prevents misalignment of the optical axis or field of view and helps				
	obtaining high quality images repeatedly without relying solely on the user's skills.				
	Automatic Functions and Image controller: Auto beam adjustment, Auto				
	optical axis alignment (current alignment), auto beam brightness control,				
	Auto Brightness & Contrast Control (ABCC), Auto focus control, Auto				
	astigmatism correction & focus, Auto filament saturation, Auto beam				
	alignment, Auto start, Image Display: 2 or more simultaneous display of				
	composition and topography images				
	Other Functions: Raster Rotation, dynamic focus, image enhancement,				
•	data input (measurement between two points, measurement of angle,				
1	characters, preset magnification, stage location navigation system (SEM	AN OF			
	MAP), beam marking, Report creator				
•	Safety System: Protection function for the power failure, electric leakage,				
	and vacuuming operation are equipped.				
•	Recommended PC Specifications	3 30			
•	Operation System: Microsoft Windows 10 Pro 64bit, CPU: Intel Xeon E3-	The Land			
	1225 v5 with Intel HD Graphics PS30 or higher compatible processor, On-	4.16			
	board Memory: 8 GB or more, Display: 1,920 x 1,080 pixels, Memory				
	Device: HDD, DVD-ROM drive				
•	Sputter Coater Specifications: Diode Discharge Magnetron Type Sputter				
	Coater Coating Time: 5 to 300 seconds, Voltage Range: 0.4kV DC Max or				
	better (variable through phase control)				
	Current: 40 mA DC Max or better, Coating time: 5 to 300 Seconds or better	i sirei			
	, Pressure: 7 Pa , Specimen Size:, Maximum Diameter: 60mm Dia Max.				
	Height: 20mm, Target: Au Distance b/w target and specimen surface: 25-35				
	mm				
•	Essential Accessories for Future Up gradation: a) Energy Dispersive				
	Spectroscopy (EDS) b) More up gradation option – STEM Holder, 3D			8,	
	Mapping, Multi Zig Zag Must supply 10 tungsten filaments and one carbon tape along with the main				
•	unit				
	Application: Morphological analysis, topography, identification of crystal				
	structure, Chemical Composition, Thin film analysis, Biological specimens				
	and Zoological Specimens.				
	Computer and Suitable Software,	1-1			
	Installation & training Installation of the instrument to be done at VSKU-				
•	Bellary, at free of cost. Operational training to be provided to respective				
+-	group of instrument operators				
(Gas Chromatography				
•	Automatic, computer-controlled Dual channel Gas Chromatograph	No	1		
	Analyser, Auto liquid Injector min 15 vials capacity and FID. System to	140	1		
	be supplied with test chromatograms, method set up parameters,				
•	Large Graphical LCD or better based display to view Realtime	1			

1							
		Chromatogram and their parameters, An automatic computer controlled		49/4	T		
		dual channel gas	And I				
	•	chromatographic system; capillary/ packed columns, gas sampling					
		valve, auto liquid injector, oven, pressure & flow control systems					
	-8	detectors, gas sampling devices with appropriate valves & fittings and					
		powerful and versatile software capable of analysing gases/liquidis					
		required. The Valves must be fitted in separate enclosure box and not					
		inside column oven.					
	•	Should be equipped with Intelligent self-diagnostic functions for detailed					
		diagnosis of the septum, glass insert usage status, temperature sensor	1				
		error, gas supply pressure, status of each gas ignition function etc.					
	•	Should be manufactured as per ISO 9001 and in full compliance with					
		international regulatory, safety, and electromagnetic compatibility					
		requirements					
	•	Column Oven: Capacity; 15L or above, Temperature Range; Ambient +					
		10°C to 400°C, Temperature Program ramps; Minimum 20° or more,					
		Max temperature program rate; Minimum 60°C/min or more, Cooling	3 F F F				
		time; 300 °C to 50 °C within 6 min (at 25 °C ambient temperature) or					
		faster					
		Maximum run time; At least 9999 min or more					
	•	Thermal Conductivity Detector (TCD): Max Operating temperature:					
		400°C or more					
	•	Sensitivity: 200 pg tri-decane/mL or <10 microvolt per ppm or					
1		>40000mV x mL/mg (Decane), Dynamic range 105 or better					
		Flame Ionisation Detector: Max operating temperature: 400°C or more,					
1		Sensitivity: 3 pg C/s (Dodecane) or better, Dynamic Range: 107 or better					
1		Sample Injection: Channell - Suitable sample injection port to introduce					
		sample through gas tight syringe.					
		Channel2- Split/splitless type capillary column injector with pressure					
1		range up to 100psi and split ratio up to 9000:1					
1		Liquid Auto Injector & sampler; Auto Injector with sampler for 15 or	The light				
		more vials capacity should be provided with 10uL syringe. Variable					
1		injection speed separate was- waste vials should be available.			100		
		Concentration Range: H2: 50ppm-1000ppm, O2: 50ppm-1000ppm	14174				
1		Other items - Suitable sample loops, gas supply pipes & carrier gas triple					
1		filter kit should be included as standard supply. Suitable, Latest,					
		compatible branded PC system with Windows 10 OS to be included&					
		Suitable Printer		- 60			
		5KVA Online UPS with Suitable Backup					
	Inst	allation & training Installation of the instrument to be done at VSKU-	KYMA E.A.		1.01		
		ary, at free of cost. Operational training to be provided to respective			2 1		
		up of instrument operators		-			
		temperature Muffle Furnace (1300 °C) fle Furnace with Inert gas Chamber (N ₂ , Ar or other Inert gases), Sample					
- 1		[1] '마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마마					
	holo	file Furnace Working Chamber Dimensions :8" W x 8" H x 8" D, Rated	No	1			
		kimum					
		nperature: 1300°C -1400°C (±50°C). Heating element: MoSi ₂ or better,					
	ren	iperature. 1300 C-1400 C (130 C). Heating element. Wood of Setter,				1	

	1200 1			
•	Temperature Accuracy: ±3°C or better, Temperature Control: By μP based Programmable PID Controller. Sensor: Chromel/Alumel or Better. Operating			
	Power Supply: 220/440Volts, 50Hz. Power Rating: 6.0kW, Nitrogen		38/1	
	cylinder, dual gauge gas flow indicators or better, Gas leakage tool, Safety accessories.			
5	Gaussian Software with Suitable PC:			
	Calculation of one- & two-electron integrals over any contracted			
	gaussian functions			
	Conventional, direct, semi-direct and in-core algorithms			
	그리는 이 그는 이번 가는 것이 없는 그는 사람들이 되었다. 그는 그는 그들은 사람들이 가장 그는 그를 모르는 것이 되었다. 그는 그를 모르는 것이 되었다고 있다면 그렇게 되었다.			
	Linearized computational cost via automated fast multipole methods (EMM) and sparse metric techniques Harris initial access.			
	(FMM) and sparse matrix techniques Harris initial guess			
	• Initial guess generated from fragment guesses or fragment SCF solutions			
	 Density fitting and Coulomb engine for pure DFT calculations, including automated generation of fitting basis sets 			
	 (O/N) exact exchange for HF and hybrid DFT 			
	• 1D, 2D, 3D periodic boundary conditions (PBC) energies & gradients			
	(HF & DFT),			
	Shared-memory (SMP), cluster/network and GPU-based parallel			
	execution			
	Electron Correlation:	No	1	
	Geometry Optimizations and Reaction Modeling	110	1	
	Vibrational Frequency Analysis			
	[2] 사이팅(: [4] 사이팅(-1) 사이트 전 1 [4] (1) - 1 [4] (1) - 1 [4] (1) - 1 [4] (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			
	Molecular Properties ONIOM Coloulations			
	ONIOM Calculations Signature			
	Self-Consistent Reaction Field Solvation Models			
	• Integration with External Programs			
	*GaussView: Anharmonic Frequency Analysis * PCM Solvation Cavity			
	*PCM Solvation Cavity * Vibronic Spectra *Enhanced Calculation			
	Summary * One Step Multi-Job Setup *Symmetry *New Job Setup			
	Features			
	• Compatible Computer with intel i9 12 th GEN, min. 16GB RAM, min 512GB SSD ROM,			
	Single user academic license on windows/ Departmental academic site			
	license on windows			
	Gel Documentation System:			
	1. Versatile system to support wide range of applications like Fluorescence,			
	Colorimetry/densitometry & Gel documentation.			
	2. should support the following dyes – SYBR Green, SYBR Safe, Ethidium			
	Bromide, Stain Free Gel, Coommassie Blue, Zinc Stain, Flamingo,			
	Oriole, Silver Stain,	No	1	
	Coommassie Fluor Orange, Sypro Ruby, Krypton & Colorimetric Blots			
	3. Should feature touch screen of size 9.7" or more which is Multitouch			
	capable & offer a Display resolution of 1,024 x 768 pixels or better.			
	4. Offer Smart Tray Technology,	1100		
	5. Offer pre-calibrated focus for any zoom setting or sample height.			Carried States

ould have a high-resolution scientific grade 16 bit CMOS camera, a		122	14 34 3	
로마 경기에 가는 보는 이번 선 <mark>생</mark> 로 하면 있다면 회사를 가고 있다면 한다면 보다 있다. 그렇게 하는 사람이 되었다면 되었다면 되었다면 되었다면 되었다면 되었다. 그리고 있다면 되었다면 되었다면 보다 보다 보다 보다 되었다면 되었다면 보다				
	l exercise	[Street	-1	
	17 5-11			
하는 이 마루, 얼마 그러워, 그리션이는 생활을 수에서 아름다움을 받았다면 생활을 보지 않는데 아름다면 하게 되었다면 하게 되었다면 하게 하는데 이 바로 하는데 하다 없다.				
그 마다 있다. 이 사람이 되었다. 그는 사람이 가장 마음을 하는 것을 하는 것들이 되었다. 그는 사람들은 그는 사람들은 사람들이 가장 그렇게 했다. 그리고 사람들이 되었다. 그리고 있다.				
	area ba		* 1	
마이트 마다 그렇게 가는 사람들은 얼마나 얼마나 되었다. 그들은 그들은 그들은 그들은 그들은 그들은 그들은 그렇게 되었다. 그렇게 되었다면 그 그렇게 되었다면 그 그렇게 되었다.				
트리프로 그는 그 그는 그를 걸린 시간 중요하는데 하면 반대가 되었습니다. 그는 그를 걸는 가는 것은 그를 받는 것이다. 그는 것이다는 그를 했다.				
마		1179		
그렇게 그렇게 그 있다. 그렇게 하게 되는 가득하다 하게 하게 되었다. 그리고 함께 하는 아니라 가는 사람이 있다. 그리고 있어요요 그리고 있어요요?				
그래마를 살아내면 가는 사람이 많아 보다 하는 사람들이 되었다. 그는 사람들이 되었다면 그 그리고 살아내려면 그는 그를 내려왔다. 그는 그는 사람들이 얼마나를 보다 되었다.				
등이 그리즘들이 하는 이 하게 다 하다 마음이 그리고 하는 그리고 하는 그들은 하는 사람이 하나 사람이 하는 사람이 되었다. 그리고 하는 사람이 그리고 있는 그래요? 그리고 그리고 그리고 있다.				
교육하는 경기 경기는 그는 경기를 보고 있다. 그런 경기는 그는 경기를 보고 있는 것이 되는 것이 되었다. 그는 것이 되었다면 가장 바로 바로 바로 바로 가장 되었다. 그렇게 되었다. 그리고 있다.				
그 이번 나는 이 이번에 가장 하면 모든 그를 다고 있다. 그는 아이들은 그리아 아이들은 이 이번 등에 이번 가장 이번 경기를 가장 하는 것을 하는 것을 하는데 되었다. 아이들				
HONO (2011) 2011 HONO (1011)				
있다면서 그리고 있는 것으로 보이었다. 이번 시간 보고 보고 있는 것이 되었다면 보고 있는 것이 되었다면 보고 있다면 보고 있다면 보고 있다면 하는데 보고 있다면 보고 있다면 보고 있다면 보고 있다면				
(8) 이 15일 구입 - 15일 이 15일				
유럽이라고 있는 어떤 맛요? 그렇게 하고 있는 그들은 그들은 그들은 사람들이 되는 사람들이 되었다면 하다 그래요? 그런 사람들이 가는 모양을 다 되었다면 하다 되었다.				
1. 전화하다, 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	No.			
. 전기 시계 10 개 개 개 개 개 개 개 기 기 기 기 기 기 기 기 기 기 기 기				
그렇게 하는 것이 하는 것이 없는 사람들이 되었다. 그런 그는 그는 그는 그는 그를 하는 것이 되었다. 그런 그는 그를 하는 것이 없는 것이 없는 것이다. 그런 그를 하는 것이 없는 것이다. 그런 그를 하는 것이다.				
		30.00		
이 마이트 마이트 마이트 마이트 마이트 마이트 마이트 마이트 바로에 되었다면서 하는 그들은 사람들이 되었다면 하는 그들은 그는 그는 그를 내려왔다면 하는 것이 없는 그를 내려왔다면 하는 것이 없는 그를 내려왔다면 하는 것이다.				
성계를 (1865년) 경우 전문				
가게 보면 보고 있는데 보고 있는데 보고 있는데 보고 있는데 되었다. 하는데 하는데 하는데 사람이 가게 되었다면 보고 있는데 보고 있는데 사람이 되었다. 그런데 사람이 되었다면 하는데 하는데 사람이 사람이 되었다. 그런데 그렇게 되었다면 하는데 하는데 보고 있는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하	No	1		
ed without any manual alignment necessary.				
그는 그 그는			-	
		disability.		
				1 - 1
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ory ice pelletizer, Diameter of ice pellets 3mm- 19mm,				
	antity standards and band identification, molecular weight or base pairs aluation, band sizing, and quantitation based on a reference band or antity standards apshot tool to copy images, lane profiles, and graphs low Publishing resolution (dpi) and publishing dimension to be ecified with a one-click image export for publication. Provides nationality to produce image at user-defined dpi and dimension or requirement of license for registration. The full version software should offer Iransers should be available. It from the tool to copy images, lane profiles, and graphs low Publishing resolution (dpi) and publishing dimension to be ecified with a one-click image export for publication. Provides nationality to produce image at user-defined dpi and dimension or requirement of license for registration. The full version software soluted be histallable in large number of computers. Lifetime free grades of Software & Firmware should be available. It for the update of results with any change of analysis rameters. Global background subtraction for individual bands uated Total Reflectance Spectrophometer: Recessory to be used with FT-IR instrument dbe with diamond crystal which withstands complete range of pH d capable of working with PerkinElmer Spectrum Two FTIR rophotometer. Recessory should encompass the following points: tomatic recognition to the software - as soon as the accessory is placed e sample compartment the accessory is recognized. In addition to mizing the accessory, the software must also: Record the accessory is placed e sample compartment the accessory is recognized. In addition to mizing the accessory, the software must also: Record the accessory is placed to ample and store this information as part of the data file lete maker: Apacity: 2.5kg-5Kg/hr, bry ice pelletizer, Diameter of ice pellets 3mm-19mm,	nt-tight compact darkroom & a Slide-Out UV Transilluminator. Iximum image area - 21 x 14 cm (W x H), Pixel density (gray els) - 65535 or better namic range - >3.5 orders of magnitude, Emission filter -535–645 nm onetter at output -16-bit or 8-bit: SCN, TIFF, JPEG image files elegal Placement door should be drawer type allowing access to Gels meither direction for facilitating easy/clutter free gel excision oblications. elmains gapixels& carry a pixel size of 2.4µm x 2.4µm elmstrument should offer Trans-UV (B) and Epi White as Standard amination. White Light Trans Illumination and UV/Blue Conversion build be available as optional. ecifications of the Image Analysis Software: tomated lane and band identification, molecular weight or base pairs aluation, band sizing, and quantitation based on a reference band or antity standards apshot tool to copy images, lane profiles, and graphs low Publishing resolution (dpi) and publishing dimension to be ecified with a one-click image export for publication. Provides anctionality to produce image at user-defined dpi and dimension or requirement of license for registration. The full version software bould be installable in large number of computers. Lifetime free grades of Software & Firmware should be available. In a cand PC compatible software should be available. In a cand PC compatible software should be available. In a cand PC compatible software should be available. In a cand PC compatible software should offer live update of results with any change of analysis rameters. (Global background subtraction for individual bands uated Total Reflectance Spectrophometer: Reaccessory to be used with FT-IR instrument d be with diamond crystal which withstands complete range of pH d capable of working with PerkinElmer Spectrum Two FTIR rophotometer. Reaccessory should encompass the following points: tomatic recognition to the software - as soon as the accessory is placed e sample compartment the accessory is recognized. In addition to nizing the accessory, the software must also	nt-tight compact darkroom & a Slide-Out UV Transilluminator. Iximum image area - 21 x 14 cm (W x H), Pixel density (gray els) - 65535 or better namic range -> 3.5 orders of magnitude, Emission filter -535-645 nm better ta output -16-bit or 8-bit: SCN, TIFF, JPEG image files to Gel Placement door should be drawer type allowing access to Gels me either direction for facilitating easy/clutter free gel excision lications. to Imaging System should offer a camera resolution greater than 6.3 gapixels& carry a pixel size of 2.4 µm x 2.4 µm to Instrument should offer Trans-UV (B) and Epi White as Standard miniation. White Light Trans Illumination and UV/Blue Conversion puld be available as optional. ecifications of the Image Analysis Software: tomated lane and band identification, molecular weight or base pairs saluation, band sizing, and quantitation based on a reference band or antity standards apshot tool to copy images, lane profiles, and graphs low Publishing resolution (dpi) and publishing dimension to be ecified with a one-click image export for publication. Provides nectionality to produce image at user-defined dpi and dimension or requirement of license for registration. The full version software solit and 8-bit tiff images with a one-click export option of tware should offer live update of results with any change of analysis rameters. Globals background subtraction for individual bands uated Total Reflectance Spectrophometer: R Accessory to be used with FT-IR instrument d be with diamond crystal which withstands complete range of pH d capable of working with PerkinElmer Spectrum Two FTIR cophotometer. R accessory, the software was soon as the accessory is placed e sample compartment the accessory is recognized. In addition to nizing the accessory, the software must also: Record the accessory the number Allow system suitability checks to be carried out. to locked into the sample compartment, the accessory must be ready to ed without any manual alignment necessary. pplied pres	natight compact darkroom & a Slide-Out UV Transilluminator. 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	• Power supply: 220/400V/ 50Hz/ 3 or 1 phase,			
٠	• Power Consumption: 1.1kW,			
	 CO₂ Supply: Low pressure CO₂ storage tank, 15-20 bar pressure 			
	Inbuilt PLC to Control all function			
	Interdisciplinary Project			
9	Bio Safety Cabinet L2. (3x2x2):			
	Size 3ft X 2ft X 2ft Main body constructed with steel, scratch free, 18 gauge	No	1	
	stainless steel, filter type supply of HEPA at 99.997% at 0.3micron LCD	140	1 1	
	display. Operating florescent, UV light and blower.			
10	Lyophiliser:			
	Power consumotion-5kV, production capacity-20lt/batch. Model number-r-	No	1	
	05. Industrial application, cast iron power source-electricity finish polish.			
11	Weighing balance:			
	Range=0.1mg to 10g. Capacity 10g. Linearity-0.2mg. Response time-3s,	No	1	
	repeatability-less than or equal to 0.1mg			

Vijayanagara SriKrishnadevaraya University, Ballari-583105

TERMS AND CONDITIONS:

- 1. The rates quoted shall inclusive of all taxes and delivery & installation at VSK University, main Campus, Ballari
- **2.** The right to reject the quotation is vested with university authorities.
- 3. The quoted rates should be valid at least for 06 months.

Copy to:

- 1. The director, ICT Department, VSK University, Ballari-583105 for necessary action to upload the quotation in university website for 07 days or up to last date.
- 2. Notice board.
- 3. Office File.