



डॉ. पंजाबराव देशमुख कृषि विद्यापीठ

कृषि नगर, अकोला - ४४४ १०४ (महाराष्ट्र)



परिपत्रक

क्र. CPC/Equi.-Inst.Rate List/11/२०२०

दिनांक : २६/०३/२०२०

महाराष्ट्र कृषि विद्यापीठ लेखा संहिता- १९९१ च्या प्रकरण ७ मधील नियम ७.७ (१) अन्वये विद्यापीठ स्तरावर गठीत केलेल्या केंद्रीय खरेदी समितीने ई-निविदा प्रक्रिया पूर्ण करून Instrument/ Equipment या सदराखाली ई-निविदेतील परिशिष्ट-१ मधील विनिर्दिष्ट Instrument/ Equipment चे प्राप्त दर विद्यापीठ वित्त विभागाच्या सहमतीने विद्यापीठ सक्षम प्राधिकरणाने मंजूर केलेले आहेत. सदर दर विद्यापीठ अधिक्षेत्रातील सर्व विभाग/ कार्यालये यांना सूचीतील विनिर्दिष्ट बाबी खरेदीकरीता लागू आहेत.

उपरोक्त दर सूचीचा वस्तू खरेदी करीता वापर करतांना संबंधित विभागाने प्रथम वस्तूचा Make व Specification ई-निविदेतील Make व Specification प्रमाणेच असावे, याची खात्री करून १ % Security Deposit घेऊनच कार्यालयीन विहीत प्रक्रियेचा तथा विद्यापीठ वित्तीय अधिकार प्रदान नियमावली (Delegation of Financial Power) चा अवलंब करूनच खरेदी करावी. खरेदी प्रक्रियेत वस्तूचा पुरवठा होतांना कोणतीही अडचण उद्भवल्यास किंवा निविदेतील अटी व शर्तीप्रमाणे वस्तूचा पुरवठा न केल्यास सदर पुरवठादाराची तक्रार अध्यक्ष, केंद्रीय खरेदी समिती यांचेकडे लेखी स्वरूपात करण्यात यावी. जेणेकरून त्याबाबत कायदेशिर कार्यवाही करणे सोपे जाईल.

उपरोक्त दर सूची ही या परिपत्रकासोबत सहपरित्त केलेली असून सदर ई-निविदेद्वारे प्राप्त Instrument/ Equipment यांचे दर ३१ मार्च, २०२१ पर्यंत वैध राहातील.

सदर परिपत्रक हे वित्त विभागाच्या सहमतीने तथा मा. कुलगुरु यांच्या मंजूरी अन्वये निर्गमित करण्यात येत आहे. याची प्रत विद्यापीठ संकेतस्थळ www.pdkv.ac.in वर सहपत्रासह उपलब्ध आहे.


अध्यक्ष

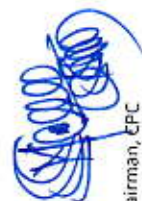
केंद्रीय खरेदी समिती तथा सहयोगी अधिष्ठाता,
कृषि महाविद्यालय, डॉ. पं.दे.कृ.वि., अकोला

प्रतिलिपी :

- १) संचालक (सर्व) -----
- २) अधिष्ठाता (सर्व) -----
- ३) सहयोगी अधिष्ठाता (सर्व) -----
- ४) नियंत्रण अधिकारी(सर्व)/ विभाग प्रमुख(सर्व)/ कार्यालय प्रमुख(सर्व)/ प्रभारी अधिकारी(सर्व) -----
- ५) वरिष्ठ संशोधन शास्त्रज्ञ (सर्व) -----
- ६) नियंत्रक, डॉ. पं.दे.कृ.वि., अकोला.
- ७) मा. कुलगुरुंचे स्वीय सहायक/ तांत्रिक सचिव, डॉ. पं.दे.कृ.वि., अकोला
- ८) मा. कुलसचिवांचे स्वीय सहायक, डॉ. पं.दे.कृ.वि., अकोला
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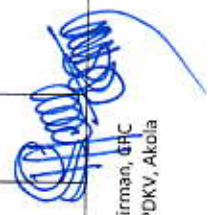
Tender For Supply of the Instruments / Equipments
Dr. Panjabrao Deshmukh Krishi Vidyapeeth,
P.O. Krishi Nagar Akola 444 104 (M.S.) Year 2020-21

Sr. No.	Item No.	Description of Work / Item(s)	Specification	Price (INR)	Name of the Firm
1	20	Precision Balance	Maximum weighing Capacity : 210 g Readability : 0.001g, Repeatability : 1mg, Linearity : 0.002g SS Pan Size : Ø 120 mm, Stabilization time : 3 seconds, Calibration: User selectable external Calibration points, Display : LCD, The balance should have easy to clean draftshield with sliding top & up front level indicator with selectable environmental settings. Weighing Applications: Basic Weighing, Parts Counting, Percent Weighing; Operating Temperature Range : 10°C to 40°C; Communication : RS232 Port; At least 10 weighing units ;Balance should have a front level indicator, Weigh below Hook & integral Menu lock.	38250	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in
2	21	Portable Precision Balance.	Maximum weighing Capacity : 220 g Readability : 0.001g• Repeatability : 1mg• Linearity : 0.003g• SS Pan Size : Ø 90 mm• Stabilization time : 3 seconds• Calibration: External Calibration• Display : Backlit LCD• Weighing Applications: Basic Weighing, Parts Counting, Percent Weighing,• Totalization, Display hold, check weighing. Dimension : 200 x 220 x 100 (WxDxH)• Balance should have a front level indicator. • Weigh below Hook• & integral Menu lock. Battery operation mode should be available.	29700	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in
3	22	Precision Balance With internal Calibration	Maximum weighing Capacity : 410 g Readability : 0.001g• Repeatability : 1mg• Linearity : 0.002g• SS Pan Size : Ø 120 mm• Stabilization time : 3 seconds• Calibration: Built in Internal calibration• & User selectable external Calibration points. The balance should have easy to clean draftshield with sliding top• & up front level indicator with selectable environmental settings. Weighing Applications: Basic Weighing, Parts Counting, Percent Weighing. • Operating Temperature Range : 10°C to 40°C• Communication : RS232 Port• At least 10 weighing units. • Balance should have a front level indicator. • Weigh below Hook• & integral Menu lock.	47970	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in


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Dr. PDKV, Akola


Secretary, CPC
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4	23	3 Digit Balance	Maximum Weighing Capacity : 520 g Readability : 0.001g • Repeatability : 0.001g • Linearity : 0.002g • Sensitivity Drift (PPM/K) : Less than ± 5 • SS Pan Size : ϕ 9 cm • Stabilization time : 2 seconds • Calibration: Built in Automatic and user selectable external span calibration. • Display: Backlit LCD, 2 line display for additional information and guidance to user. The balance should have easy to clean draftshield with sliding top. • User selectable environmental • & Brightness settings. The balance should have built in facility to remove static charge. • Weighing Applications: Basic Weighing, Parts Counting, Percent Weighing, • Density determination. Communication Port : RS232 • & USB Dimension : 205 x 315 x 305 mm (WxDxH) • Balance should have a front level indicator. • Weigh below Hook • & integral Menu lock. Balance should have compliance to CE/CSA, IES/EN safety guidelines. •	55440	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in
5	24	Portable Balance. (SIX)	Maximum weighing Capacity : 1500g Readability : 0.01g • Repeatability : 0.02 g • Linearity : 0.03 g • SS Pan Size : ϕ 170 x 140 mm • Stabilization time : 1.5 seconds • Calibration: Internal Calibration • Display : Backlit LCD • Weighing Applications: Basic Weighing, Parts Counting, Percent Weighing, • Totalization, Display hold, check weighing, Density Determination. Dimension: 202 x 224 x 54 mm (WxDxH) • Balance should have a front level indicator. • Weigh below Hook • & integral Menu lock. Battery operation mode should be available. •	29700	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in
6	26	FTIR SPECTROMETER	Interferometer - Michelson (or suitable) interferometer, sealed and desiccated optical system with protective BaF2 coated KBr windows Beam Splitter Completely sealed Ge coated KBr Wavelength Range 7800 - 350 cm-1 Spectral Resolution, 0.25 cm-1 or better, Source high intensity, Long life source covering entire MIR range SNR 50,000:1 for 1 min scan (Peak to Peak) or better Laser Solid-state diode He/Ne laser Wavelength Precision 0.0008 cm-1 at 2000 cm-1 Wavelength Accuracy 0.02 cm-1 at 2000 cm-1 Detector DTGS / DLATGS Performance Verification Automated performance verification as per ASTM E1421. Inbuilt NIST- traceable polystyrene film & NG-11 filter PC Connectivity USB Software The Software should have below features: - Atmospheric Vapour Compensation - Spectral Comparison - Multiple spectra Handling - Reporting - Customized templates, Notebook - Spectral History - Automatic accessory detection and performance verification - Quant & Macro Method Accessories 1) Single Bounce Monolithic Diamond Attenuated Total Reflectance (ATR) to meet complete MIR range (7,800 - 400 cm-1) with 5 years warranty Up gradation Instrument should be upgraded to GC, TGA, Microscope General Desktop PC, Inject Printer. Warranty 10 Years on Interferometer, laser, source	3288600	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in


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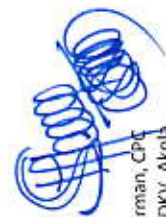

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7	28	Double Beam UV VIS Spectrophotometer	Optical Design / Geometry PC- Controlled True Double beam Spectrophotometer with Separate reference and sample compartments for operation convenience, the system should incorporate Czerny-Turner Monochromator and performance calibration to be performed using Hg lamp Wavelength Range 190-1100 nm Spectral Bandwidth Variable: 1 nm & 2nm or Wider Range Light Source Xenon lamp with 3 years warranty, expected life of 7 years Detector Silicon Photodiodes Wavelength Accuracy ± 0.6 nm or better for full range ± 0.2 nm (541.9, 1 nm mercury lines) Wavelength Repeatability ≤ 0.05 nm (546.1 nm mercury line, SD of 10 measurements) Resolution >1.8 (peak-to-valley ratio; toluene in hexane) Scan Modes Absorbance, % Transmittance, % Reflectance, Kubelka-Munk, log (1/R), log (Abs), Abs*Factor, Intensity Scanning Speed	746550	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in
8	33	Microscope with imaging device	Research binocular non hinged type with built in light and with light intensity regulator, Conformity to Indian Standard, Pathological IS:4381 latest Eye piece Type- Compensating, Binocular Eye pieces Eye Piece with magnification, Set of Two For Binocular 10x Objective Type- achromatic, Objective Magnification, 100X Numerical Aperture of Objective, 1.25 LED lamp for Illumination, Coarse and Fine Movement of stage Co-axial focussing, Micrometer Arrangement, Carrying Case Warranty, 1 year or more 5 MP imaging camera with software Primostar HD, Carl Zeiss Jena	300000	Sharp Control Equipments Pvt. Ltd., 101 & 103, Bothra Complex, First Floor, Model Mills Square, Ganesh Peth, Nagpur, 440018, (M.S.), Tel Phone- 0712-6563155, Fax-0712-2729727, email info@sharpcontrol.in / sharp_ngp@bsnl.in , website- WWW.sharpcontrol.in
9	34	Laminar air flow Microfil make	Power Rating, 230 Drawing No., 2 Safety Device Trip (Nos), 2 Material of Base Cabinet, SS Working Platform Material- SS Double wall Construction, Yes Air Flow (Cubic metre/hr)- 1 Width of Base Cabinet (mm), 1000 Material of Front shutter, Toughened Float Glass Overall length of Fumehood (mm), 1500 Height of Base Cabinet (mm), 10000 Type of Filter, HEPA, Laboratory Fumehood, Length of Base Cabinet (mm), 1500 Fire Resistant, Face Velocity (m/s)- 100 Overall Height of Fumehood (mm)- 6000 Type of Blower, 6SRR Design details of Electrical Services, YES Working Platform Thickness (mm), 120 Provision of Electrical Outlets, Yes Drawing available on Web, Yes Features of various Utilities, YES Gas inlet attachments	156000	Viraj Enterprises, Astavinayak Complex, Basamat Road, Jagruti Colony, Parbhani-431401, Cell No. 9422877616, 7387572472, viraj_enter@rediffmail.com


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10	35	Hot Air Oven	Purpose-Hot Air Oven is commonly used for dry heat sterilization which is a method of controlling micro-organisms Capacity in litres-151-200 Power ratings in watts-1500 Should provide 3 heating elements on 3 sides of equipment to ensure uniform temperature on all shelves-Yes Ambient temperature range in °C-Ambient to 250°C Temperature Accuracy in °C-±2°C, Insulation-Glass wool Controller- Microprocessor based PID control. Type of Display-LED, Parameters displayed-Time, Temperature settings and temperature reading Type of Temperature sensor-PT 100.Power supply-220 V , 50 Hz Single Phase, Door shall be insulated-Yes Door shall be fitted with heavy hinges-Yes, Availability of Double glass window on door-No, Door should have locking facility-Yes Type of Shelves-Removable, Number of shelves-3 Air Circulation-Motorized Blower for forced air circulation. Blower Motor power in HP-0.5 Blower motor shall be totally enclosed. Blower motor shall be air cooled. Length of power cord fitted with compatible Indian plug in meters-3.Operating temperature and humidity-10 to 40 degree centigrade and 15-90% humidity Over temperature protection- Safety alarm system-Instruction manual Oven should be corrosion resistant, Warranty in Years-1 or more, Material of Inner Chambers-SS 304 Material of Outer Chamber-MS with powder coated paint Material of Shelves-SS wire mesh	59200	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
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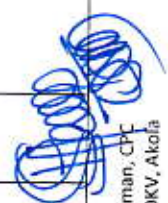

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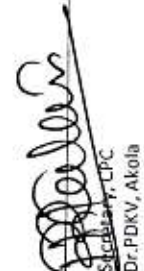
11	36	Orbital shaking incubator	Constructid of Body-Double walled with inner and outer wal. Material of Inner wall-SS. Material of Outer wall-MS with powder coated for anti rusting and duly painted with best finishing. Insulation- Proper insulation between inner and outer wall, Insulation material- PUF, Door-Insulated double walled door with glass window. Handle and casket to be provided-Yes, Castor wheels-Yes, Internal length of Equipment in mm-765, Internal width of equipment in mm-660, Internal Height of equipment in mm-660, Outer length of equipment in mm-800, Outer width of equipment in mm-1150, Outer height of equipment in mm-1300, Warranty in years-1 or more Range of Temperature-5 degree centigrade to 60 degree centigrade, Temperature accuracy-plus minus 0.5 degree centigrade Temperature controller-Microprocessor based Digital Temperature controller and indicator, Type of sensor-PT -100, Type of Display-LCD, Type of Motor-Brushless Motor, Shaking mechanism controller- Microprocessor controller, Orbital Shaking speed in RPM-Upto 250, Type of speed control-Stepless continuously variable, Increment of Step variation-10, Orbital shaking amplitude in mm-25 mm, Timer adjustment in hours-99.59, Availability of Platform to accommodate different types of flasks-Yes, Size of platform in mm x mm-580X600, Type of flask which can be accommodated-100 ml, 250 ml, 500 ml, 1000 ml, Shaking platform to accommodate test racks-Yes No of clamps for 100 ml flask to be supplied with system-5, No of clamps for 250 ml flask to be supplied with system-3, No of clamps for 500 ml flask to be supplied with system-2, Availability of height adjustable and perforated stainless steel shelves above shaking plat form which can accommodate plates and other static samples- Interior illumination-LED Bulbs, Digital Display to indicate set RPM, Over Temperature Protection- Automatic restart of pre set speed in case of power failure, Shaking to stop when door is opened-Yes, Facility to calibrate Temperature and speed- Electronic and mechanical components should be enclosed and protected from accidental spilling, Equipment shall be condensation free- Equipment should be provided with proper outlet to drain out liquid sample in case of spillage- Audio visual indication in case of power failure Audio visual indicator in case of door open in built lock and key system, Stabilizer provided- Printed product literature to be supplied
196073			Pelican Equipments, Head Office- II Floor, # 38, Burkit Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email-pelican@pelicanequipments.com,


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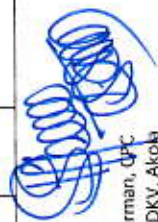

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12	37	Rotary Shaker	Application: Mixing and development of cultures chemicals, solvents and assays etc in pathology, microbiology, chemical and bio technology. Mounting-Bench Top, Controller-Microprocessor Type of motor-Brushless DC, Stepless frequency speed control-Yes Speed range in RPM-80 to 180, Universal platform with adjustable rollers and surface to accommodate exchangeable clamps of assorted sizes/capacities for holding conical flasks-Yes, Shaking amplitude in mm-20, Material of body-MS with powder coating Compact counter balance drive mechanism to ensure stability-Yes Platform size in length x width in mm x mm-24 x 24. Flask sizes which can be accommodated in platform in ml-50,100,250,500,1000, Display-LED, Parameters displayed-Speed with preset facility, Timer range in minutes-99, Auto restart after power resumption-No, Maximum volume in liters-2, Motor protection in case of over load-Yes(LED Light flash, auto stop) Power supply-230 v plus minus 10% 50 Hz, Weight of Rotary Shaker in kg-35, Dimensions of Rotary Shaker-24X24X11, No of 50 ml clamps supplied with machine-5, No of 100 ml clamps supplied with machine-5, No of 250 l clamps supplied with machine-5 No of 500 ml clamps supplied with machine-5, No of 1000 ml clamps supplied with machine-5, Warranty in years-1.	64000	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
13	39	Vertical autoclave	Type of Steriliser-VERTICAL CYLINDRICAL Steam Steriliser Pressure type, Steriliser Chamber size: 400 mm (Diameter) x 600 mm (Length), conforming to IS: 3829 (Part 3)/1985, reaffirmed 2001, with amendment 1 & 2, fitted with Silicon door gasket(expansion type). Electric load of the unit shall be 6 KW. Steam supply to Steriliser-From Built-in Steam Generator electrically heated using immersion heaters wired for operation on 3 phase 4 wire 400/440 V 50 Hz AC supply [with immersion heaters having mineral filled sheathed heating elements conforming to IS: 4159/2002 duly BIS marked and complying with safety requirements as per IS : 302-2-201(1992)] Material: Steriliser parts; Chamber, Jacket, Door, Door Ring and shall be made of SS 304 Type of control-Automatic: MICROPROCESSOR CONTROLLED, WITH PRESELECTED STERILISATION PROGRAMS (variable programs customisable as per Buyer's requirement to deal with sterilisation and drying of wrapped/unwrapped loads at 121 & 134 degree C) Instruction plate on Steam Steriliser advising user to use soft water for steam generation for long service life of Steam Steriliser-YES Whether a compatible water softener/reversed osmosis based system to feed water to the steam generator unit is to be supplied with the steriliser-No	300000	Shree Enterprises, Opp. ST Quarters, Model Mill Road, Ganesh Peth, Nagpur, 440018, Telephone 0712-2723424, Fax 0712-2723425, Website- WWW.shreentrprisesngp.com email- info@shreentrprisesngp.com


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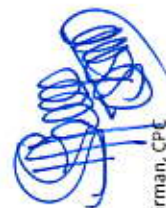

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			Installation- : site ready for installation equipped with water supply, electric connection cabling and drainage outlet shall be provided by Buyer. The Seller shall be responsible to carry out for installation of the offered Steam Steriliser unit on turnkey basis i.e. Any civil work required for installation of the ordered equipment i.e. flooring/tiling/plastering/Paint and/or wood work shall be Seller's responsibility. The Seller shall also provide training to personnel of buyer. Type of Door:-Hinged type Display facility for Sterilisation Cycle parameters-Chamber Temperature Print facility for record generation of dates, time, load, identification number and operating parameters (temperature and holding time etc):-Yes, port given to connect an external Printer Unit Warranty Period-5 year No of Doors in Steriliser-1 Whether Type Test Certificate from a Govt/NABL/ILAC approved testing laboratory is available (If Yes, to be furnished by Seller to Buyer on demand) for the offered product-No Type of user friendly Interface (for microprocessor controlled Sterilizer) to specify parameters for running Sterilization cycle:-NA Data Transfer facility through USB / RS232 port to computer/laptop on real time basis-No Air removal from Sterilisation chamber, after loading the steriliser, by on for more pressure/vacuums pulsing for proper steam penetration-YES Integrated Shredder (for shredding the load in Sterilisation chamber)-Yes, with Microprocessor controlled Material: Shredder parts:-SS 304					61000 23799	Triton Technologies, Registered Office: F 503, Remi Bizcourt, 9 Shah Industrial Estate Off Vira Desai Road, Andheri (W), Mumbai 400053, Telephone +91-22-26732102/2104/2011, email- sales@tritontechnologies.in, pjisisco@gmail.com Scientific Corporation, 112, First Floor, Ganesh Chambers, Mahadiya Square, Dhantoli, Nagpur, 440012, email- scientific_corp@bsnl.in, scientific112@gmail.com, Tel Phone 0712-2443431, Fax-0712-2426023
15	42	pH meter as per							
16	55	Muffle furnace							


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17	62	UV Spectrophotometer Double Beam	Type – UV -Visible; Type of Optical System – Double Beam; Monochromator Type – Czerny-turner; Detector Type Photodiode; Special bandwidth Type – Fixed bandwidth; Light source – Deuterium Lamp, Tungsten Halogen lamp; Diffraction Grating (lines/mm) -1800; Switching of Light source – Automatic; Wavelength setting and scanning –Automatic; Source Wavelength minimum – 190 nanometer; Source wavelength maximum – 1100 nanometer; - Resolution -0.002 nanometer, Wavelength Accuracy(±) -0.1 nanometer; Bandwidth (nm) -0 to 5.0, scanning speed (nm/min)-3000,Focal length (mm)-300 and above, Photometric measurement mode – Transmittance, Absorbance, Concentration (wavelength, time), Photometric absorbance- 4, Photometric absorbance accuracy (Max) (±) – 100 %; Photometric transmittance (Max) (±)- 0.1 percent; Photometric reflectance (max)(±) -0.1, Photometric reflectance accuracy (max)(±)-0.1 percent, stray light correction –Automatic, Baseline correction –Automatic; Display – Inbuilt display ;Display Type LCD touchscreen; Display Size – 4 Inch; Test Result Printing : Through external printer; If in built printer Type of printer – NA; suitable software for connecting PC & Printer –Yes Connectivity – USB,RS 232, Internal storage GB- 32;Sample switching selection – Automatic ;Capacity of sample holder/ sample carousal -2; Maximum Path length of sample – 2 millimeter; Number of Cuvettes supplied -inclusive in the scope of supply-10; Power supply -230±10,50 Hz ; Any other features/accessories covered in scope of supply-NA.; Spares and Consumables inclusive in the scope of supply-No, List of Items and Quantity of each item included in the offer- Servo stabilizer.; Minimum Operating Temperature- 10 degree Celsius; Maximum Operating Temperature- 35 degree Celsius ,Operating humidity -80 percent.; Onsite Warranty- 1 Year; Availability of Spares (at extra cost)- 10 Years	-534870	C Abhaykumar & Co., Registered Office: 117, Hindustan Kohinoor Industrial Complex, LBS Marg, Vikroli (West) Mumbai 400083 Tel 0091-2240764700/1 Fax 0091-2225794451 email cabhay@cabhay.co.in
18	64	Orbital Incubator shaker (Temp. Control)	Inside finish with –SS, material of partition /Shelves SS; Temperature control system –thermostatic, Type of door/ shutte –sliding door; with display of hot case temp- heating chamber size (in Litrs – 8,number of compartment -1; Hot case temperature 70oC;Inside finish –SS, Material of partition /shelves –SS, Temperature control system – Thermostatic, Overall size (mm)- 570 X 875X 550;operating voltage - 230AC; weight (in kg)- 35 kg; maximum wattage (KW) -1.6	152645	Pelican Equipments, Head Office- II Floor, # 38, Burkit Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email-pelican@pelicanequipments.com,



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19	65	BOD Incubator	The construction should be double walled with PUF insulation provided with door having locking arrangement and inner glass door. • Temperature range: 5.0 °C to 60.0 °C • Temperature resolution: 0.1 °C • Temperature accuracy: +0.2 °C • Temperature uniformity: +1 °C • Temperature Control: Microprocessor based PID Control. With Auto Tune CE Marked. • Temperature sensor accuracy: ±0.25 °C. • Temperature Display: Digital LED 3½ digit. • Air circulation : Flange motor with impeller / blower. • Heating : 'U' Shaped Nichrome Wire heater in SS Sheathing. • Cooling: CFC Free Copeland Make compressor utilizing R 134A ecofriendly refrigerant, with condenser, motor, relay complete unit Copeland Make. • Chamber illumination: Fluorescent light with door switch. • Feet: Castor wheels, • Trays : SS wire mesh heavy duty. • Electrical: 230V / 15A / 50 Hz. • Volume more than 300 Liters.	61920	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
20	66	SOCS Plus Automatic Solvent/Fat Extraction System	Six Place Superior Graphical Version fully Automatic Auto sequencing PC Compatible with auto time temperature programming facility and auto phase change over with data logger and Touch Screen Display Casted Aluminium Alloy Heater, 65 to 80% solvent recovery, independent loading of sample with individual mechanical controls.	221668	Pelican Equipments, Head Office- II Floor, # 38, Burkit Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email-pelican@pelicanequipments.com,



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21	67	Flame Photometer	Micro-controller based automation for ease of operation. - Determination up to four elements with single aspiration (Na, K, Li & Ca) - Curve Fitting Correction for non-linear emission characteristics of element at higher concentration, maximum five-point calibration - Storing facility for setups and results (date wise & batch wise, maximum 700 results), the same can be recalled whenever need arise 4 Line 20-character LCD readout - Facility for re-standardization with single standard - Built-in real time clock for date and time of analysis - Printout facility for individual sample, batch sample, total day's samples or entire results in the memory (700 max.) - Air compressor with built-in air regulator and air filter - PC Link software for transferring data to computer & manipulation of data in computer using Rs-232 - Interference Filters: Na & K Standards, Ca & Li Optional, - Reproducibility: Low Conc. : $\pm 1\%$ f.s., High Conc. : $\pm 2\%$ f.s., - Minimum Sample : 3 ml / element (Approx), - Averaging Time :: 2 to 15 seconds - Operating Air Pressure: 0.45 kg/cm² - Air Compressor: With built-in air regulator and air filter to deliver stable and moisture / oil free air supply with Pressure of 1 kg / cm² - Fuel Gas: LPG supplied by end user - Printer Port: Epson compatible 80 Column D.M. Printer RS-232 Port: PC Link data transfer, Memory: Storage of 700 results - Power: 230V $\pm 10\%$, 50 Hz - Dimensions: 415 (W) X 255 (D) X 305 (H) mm (Main unit) 255 (W) X 210 (D) X 205 (H) mm (Compressor) - Weight : Main unit 6.5 kg + Compressor 6 kg - Accessories: Gas Lighter, Air & Gas Tube Optional Accessories : Li & Ca Filter, Inbuilt automatic flame Ignition, Epson compatible 80 column D.M. Printer PC Link software	58300	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
22	68	NPK Digestion System : KEL PLUS Micro Twenty Sample PC Compatible System (250 ml capacity & 100ml capacity) Model KEL 20 R 	- Application for digestion plant, soils, fertilizer samples etc. microprocessor based temperature controller (ambient to 450°C). Aluminium alloy heaters for uniform heating and even digestion. Auto fix exhaust manifold system for absolute fume trapping. KEL FLOW suction assembly for pollution free analysis 100ml and Twenty Place 250 ml capacity PC Compatible Block Digestion System with all essential accessories - TFT Graphic Touch Screen Display with wireless mouse to operate at a distance of 2 mtrs.	136844	Pelican Equipments, Head Office- II Floor, # 38, Burkit Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email- pelican@pelicanequipments.com, 

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23	69	Automatic Nitrogen Kjeldahl Automatic Nitrogen Distillation System: CLASSIC DX VAT TS(E)	• PC software performs Live graphical representation of titration/temperature gradient with 70 programs & 12 ramps • Direct USB Port for PC Connectivity with live process view display of various stages with print options, • Remote control module for wireless data monitoring, control and transfer to PC at a distance of 30 feet Unit should be upgradeable to Data Logger Module • Auto sequencing Programmable Microprocessor based Distillation with inbuilt software, Colour Touch Screen high resolution TFT LCD Display. • Auto Intelligent run of programmable steps, Addition of Boric Acid, Dilution, KMNO4 Addition for Available Nitrogen, Alkali Addition, Steam Processing, Residue Removal, Process over indication with inbuilt delay time features, Auto Titration Connectivity feature for future upgradation, Aspiration of Receiver Residue. • Facility to program and control distillate volume for determination of available nitrogen • Auto sensing of "NO WATER" condition in condenser & steam generator with alarm & signal to alert user. • Auto deactivation of operation after warning in case of user non availability • Auto reagent Level Sensor with Alarm for Reagents, Stainless steel non corrosive steam Generator	257796	Pelican Equipments, Head Office- II Floor, # 38, Burkitt Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email-pelican@pelicanequipments.com,
24	70	Kjeldahl Acid Neutralizer Scrubber	- Four Stage Semi Automatic Acid Neutralizer Scrubber (Regular Version) • First stage : Condensation • Second stage : Neutralization in Alkali • Third stage : Neutralization in water • Fourth Stage : Dissolution of air free of acid fumes in raw tank water • Non corrosive centrifugal suction pump with inbuilt self priming feed pump for water recirculation. • Alkali container capacity : 2 litres, Water container capacity : 2 litres - Fibre Reinforced plastic Tank of capacity 10 litres	45553	Pelican Equipments, Head Office- II Floor, # 38, Burkitt Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email-pelican@pelicanequipments.com,
25	71	KEL PLUS Nitrogen Analyzer Refrigerated Water Cooling	• Refrigerated Water Cooling Circulating System - Model : KEL FREEZ (Regular Version)	49157	Pelican Equipments, Head Office- II Floor, # 38, Burkitt Road, T.Nagar, Chennai 600017, Phone 914424341830/24347554 Website- WWW.Pelican Equipments.com, email-pelican@pelicanequipments.com,

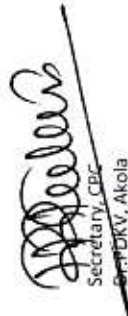

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26	75	3 MB Vacuum packaging machine	Sealing length upto 400 mm or more sealing width 8-10 mm, chamber size: 400-500x440-550x110-220 mm., no. of sealing bar-2, Vacuum pump power: approx. 20cum/pressures 1.33 kpa	129900	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
27	76	Vegetable Slicing Machine	304 grade stainless steel parts	37000	Bajaj Processpack Ltd, B-36, Sector 63, Noida 201301 NCR, India Head Office D14, First Floor, Lajpath Nagar, 2 New Delhi 110024 email id.tender@bajajmachines.com Phone No. 01204639950-99 Mobile-9560533996
28	77	Paste filling machine	304 grade stainless steel parts, Capacity of hopper: 5-10 lit.	76600	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
29	78	Juice Extractor (mini model)	Aluminium body with Stainless steel sieve heavy duty	37000	Bajaj Processpack Ltd, B-36, Sector 63, Noida 201301 NCR, India Head Office D14, First Floor, Lajpath Nagar, 2 New Delhi 110024 email id.tender@bajajmachines.com Phone No. 012046
30	79	Carbonation machine	Along with CO2 cylinder (16 kg), Capacity: 450 lit. per minute, 0.5 HP motor, 1440 RPM	42000	Shree Enterprises, Opp. ST Quarters, Model Mill Road, Ganesh Peth, Nagpur, 440018, Telephone 0712-2723424, Fax 0712-2723425, Website- WWW.shreeenterprisesngp.com email- info@shreeenterprisesngp.com
31	84	Rotary Fruit and vegetable Washing machine	All contact parts of S.S. with S.S. Tank, equipped with water jet spray, 1.0 HP motor, capacity 100-200 kg	283499	Scientific Corporation, 112, First Floor, Ganesh Chambers, Mahadiya Square, Dhantoli, Nagpur, 440012, email- scientific_corp@bsnl.in, scientific112@gmail.com, Tel Phone 0712-2443431, Fax-0712-2426023



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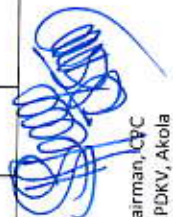
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32	86	Lug cap sealing machine	All contact parts of S.S. with S.S. Tank, equipped with water jet sp 1.0 HP motor, capacity 100-200 kg	29700	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
33	87	Solar cabinet dryer	2Mx1Mx800 MM, 8 drying trays, solar PV module 12 V 10 wp, 12 volt DC fan, 1 set of controller and sensor	94200	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
34	92	Weighing balance MLP	Conformity to Indian Standard, IS:9281-3 (1981) part I,II, III & Part IV (latest) Yes BIS Marked Yes CE Certified Yes Type of Electronic Weighing Machine Electronic Precision Pan Balance Rated Load/ Capacity(kg) 220 gm Resolution (gms) 1 mg Class type Class-I Display led Number of Display single Speed of measurement 2 second Internal calibration No Tare provision Manual Connectivity to Computer Yes Number of RS232 ports 1 Power Requirement mains operated battery operated Power Supply Single Phase Battery Backup Yes Backup time(hour) 12 Battery type rechargeable Type of Sensing Element Load Cell Warranty in Years 1 Pan/ Platform Shape circular Pan/ Platform Size 90 mm dia	6700	Viraj Enterprises, Astavinayak Complex, Basamat Road, Jagruti Colony, Parbhani-431401, Cell No. 9422877616, 7387572472, email viraj_enter@rediffmail.com
35	93	Analytical weighing Balance	Conformity to Indian Standard, IS:9281-3 (1981) part I,II, III & Part IV (latest) Yes BIS Marked No CE Certified Yes Type of Electronic Weighing Machine Electronic Precision Pan Balance Rated Load/ Capacity(kg) 320 gm Resolution(gms) 10 mg Class type Class-II Display led Number of Display single Speed of measurement 3 second Internal calibration No Tare provision automatic Connectivity to Computer Yes Number of RS232 ports 1 Power Requirement mains operated battery operated	16700	Viraj Enterprises, Astavinayak Complex, Basamat Road, Jagruti Colony, Parbhani-431401, Cell No. 9422877616, 7387572472, email viraj_enter@rediffmail.com
36	95	Hot Air Oven (mac)	Capacity in litres More than 200 Power ratings in watts 1500 Ambient temperature range in °C Ambient to 250°C Temperature Accuracy in °C ±0.5°C Insulation Glass wool Type of Display LED Availability of Double glass window on door No Type of Shelves Removable Number of shelves 3 Warranty in Years 1 Material of Outer Chamber MS with powder coated paint Material of Shelves SS wire mesh	40000	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com


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37	96	Students microscope	Microscope, Type pathological monocular non flinged type with built in light and with light intensity regulator ISI MARKED NO Eye piece Type Huygenian Eye Piece with magnification monocular 10 x Objective Type achromatic Objective Magnification 100X Numerical Aperture of Objective 0.25 Extra eyepieces (inclusive in the scope of supply) 10 x Warranty 1 year	6500	Viraj Enterprises, Astavinayak Complex, Basamat Road, Jagruti Colony, Parbhani-431401, Cell No. 9422877616, 7387572472, email viraj_enter@rediffmail.com
38	110	Laminar Air Flow	Cleanliness Class 100 Velocity 90 FPM $\pm 20\%$ Hepa Filter 99.999 % efficiency for particles $>0.3 \mu m$ Pre-Filter 85 % efficiency for particles $>0.5 \mu m$ (Washable) Particle Count Better than US Fed Std 209B Class10 and VDI 2083 Class 3 Cabinet Laminated High Quality Wooden Board /PCRC Sheet Powder Coated/Stainless Steel SS 304 (optional 316 grade) Work Table 304 Stainless Steel (optional 316 grade) Airflow Speed Control Speed Controller (Three Step Speed Controller) Blower High efficient centrifugal type with lifetime lubricated bearings Light High intensity, low wattage >800 lux Noise Level <55 dBA Standard Accessories Air/gas cock and mains power socket (16A) Power Supply 220-230 V/50 Hz. Optional Accessories - Microprocessor LCD Controller - Digital display for air flow rate - Transparent Front Door - Gauges Pressure (Statics Pressure Manometer) - Magnahelic Gauge (for filter pressure) - U. V. Germicidal Tube in work area - Electronic Filter choke alarm - Spare HEPA Filters - Auto switch on/off for U.V. Germicidal tube & fluorescent light - Hour Meter for UV light Size 3x2x2	72806	Labline Instruments (India) Pvt. Ltd., II Floor, Agrawal Complex, Rallies Plot, Amravati-444601 (M.S.) Phone No. 0721-2679123, Fax 0721-2564637, email labline.ipl@gmail.com, labline.ipl@rediffmail.com
39	127	Weighing balance	Capacity: 0-20 kg (Accuracy 1 g) Capacity: 0-100 kg (Accuracy 2 g)	6000	Viraj Enterprises, Astavinayak Complex, Basamat Road, Jagruti Colony, Parbhani-431401, Cell No. 9422877616, 7387572472, email viraj_enter@rediffmail.com
40	140	Cone Penetrometer	- A Rack & Pinion & Pointer Assembly Provides Fine Adjustment of Needle Tip to Sample. - Corporates a Slipping Clutch Mechanism Which Make Reading of Penetration & Subsequent Resetting a Sample & Accurate Operation. - Dial Graduate from 0-400 in One Tenth Millimeter Sub Division	8500	Scientific Corporation, 112, First Floor, Ganesh Chambers, Mahadiya Square, Dhantoli, Nagpur, 440012, email-scientific_corp@bsnl.in, scientific112@gmail.com, Tel Phone 0712-2443431, Fax-0712-2426023



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41	141	Core cutter	• Cylinder core cutter made of steel • 127.3 mm long and 100mm internal diameter • Steel dolly 25 mm high with a lip to enable the apparatus to be located on top of the core cutter • Rammer with detachable steel rod	1985	Scientific Corporation, 112, First Floor, Ganesh Chambers, Mahadiya Square, Dhantoli, Nagpur, 440012, email- scientific_corp@bsnl.in, scientific112@gmail.com, Tel Phone 0712-2443431, Fax-0712-2426023
44	144	Soil thermometer set	Analogue Thermometers S.S. Material	6500	Viraj Enterprises, Astavinayak Complex, Basamat Road, Jagruti Colony, Parbhani-431401, Cell No. 9422877616, 7387572472, email viraj_enter@rediffmail.com


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