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BIDS AND AWARDS COMMITTEE
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SUPPLEMENTAL BID BULLETIN No. 1

**Project: Supply and Delivery of Laboratory Equipment
 (APP 2024)**

This Supplemental Bid Bulletin No. 1 is issued to clarify items and shall be an integral part of Bidding Documents.

Please be informed of the modification in the bidding documents.

BIDDING DOCS POSTED TO PHILGEPS		CLARIFICATION/ MODIFICATION IN THE BIDDING DOCUMENTS	
Technical Specifications/ Compliance to Technical Specs and Schedule of Prices		Technical Specifications/ Compliance to Technical Specs and Schedule of Prices	
Item No.	Description	Item No.	Description
1.	ANALYTICAL BALANCE, Standard level analytical balance 252g x 0.0001g; 90mm pan size	1.	ANALYTICAL BALANCE, Standard level analytical balance 220-252g x 0.0001g; 90-91mm pan size
2.	BACTI-CINERATOR STERILIZER, a gasless, flameless sterilizer for use with inoculating loops and needles. Sterilization is accomplished through infrared heat without dangerous spattering of microorganisms. Heating time 20 minutes Description Bacti-cinerator Sterilizer, Electrical ~ 110, Dimensions 15.1W×8.7D×16H cm, Operating temperature 825 - ±50 °C, Weight 1.3 kg, Installation and Commissioning on Site, Hands on Training to End Users with Certificate, 1 year monitoring of Units under warranty, 2-year Calibration (All Equipment), with Calibration Certificate and Sticker, Certificate of Distributorship from Manufacturer	2.	BACTI-CINERATOR STERILIZER, a gasless, flameless sterilizer for use with inoculating loops and needles. Sterilization is accomplished through infrared heat without dangerous spattering of microorganisms. Heating time 20 minutes or less; Input voltage: 220 or 110 but with transformer; Dimensions 15.1W×8.7D×16H ± 2 cm, Weight aprox 1.3 kg, Installation and Commissioning on Site, Hands on Training to End Users with Certificate, 1 year monitoring of Units under warranty, 2-year Calibration (All Equipment), with Calibration Certificate and Sticker, Certificate of Distributorship from Manufacturer
3.	BENCHTOP PH METER, Benchtop pH meter inclusive of electrode for liquid samples pH; mV; single channel; pH resolution: 0.01 Specifications: ±0.01	3.	BENCHTOP PH METER, Benchtop pH meter inclusive of electrode for liquid samples pH; mV; single channel; pH resolution: 0.01

	pH ; ±1 mV; ±0.5 oC; -1999-1999 mV; Measurement resolution -5oC - 110oC; inclusive of meter, electrode and pH powder set, (4.01, 7.01, 10.01) - COS (2024) Installation and Commissioning on Site, Hands on Training to End Users with Certificate, 1 year monitoring of Units under warranty, 2-year Calibration (All Equipment) with Calibration Certificate and Sticker, Certificate of Distributorship from Manufacturer		Specifications: ±0.01 pH ; ±1 mV; ±0.5 oC; -1999-1999 mV; Measurement resolution -5oC - 110oC; inclusive of meter, electrode and pH powder set, (4.01, 7.01, 10.01) or electrode sokin solution and pH buffer solution set (4.01, 7.01, 10.01) - COS (2024) Installation and Commissioning on Site, Hands on Training to End Users with Certificate, 1 year monitoring of Units under warranty, 2-year Calibration (All Equipment) with Calibration Certificate and Sticker, Certificate of Distributorship from Manufacturer
4.	HOT PLATE STIRRER, Ceramic. Temp range: Ambient to 540°C; Frequency: 50/60 Hz; Dimensions (HxLxW): 9.7x33x20.8 cm; Shape: Square; Stirring Range: 50 to 1500 rpm; Voltage: 220 V; Warranty: at least 3 Years	4.	HOT PLATE STIRRER, Ceramic. Temp range: Ambient to 540°C or better; Power: 220V, 50/60 Hz; Dimensions (HxLxW): 9.7(+/-5cm) x 33(+/-10cm) x 20.8(+/-5cm) cm ; Shape: Square; Stirring Range: 50 to 1500 rpm ; Warranty: at least 1 Year
5.	LABORATORY OVEN, Specifications: Control of standard components, Temperature - 1 Pt100 sensor DIN class A in 4-wire-circuit ControlCOCKPIT - adaptive multifunctional digital PID-microprocessor controller with high definition TFT-colour display Timer - Digital backwards counter with target time setting, adjustable from 1 minute to 99 days Temperature Set temperature range in °C min. 5°C above ambient up to +300°C resolution of display for set point values 0.1°C up to 99.9°C, 0.5°C from 100°C and for actual values 0.1°C (LED) Control technology Function Set point WAIT - the process time does not start until the set temperature is reached Language setting German/English/Spanish/French Calibration - three freely selectable temperature values Adjustable parameters-temperature (Celsius or Fahrenheit), air flap position, programme time, time zones, and summertime/wintertime Ventilation Natural convection Fresh air admixture - adjustment of pre-heated fresh air admixture by air flap control in 10 % steps Vent - vent connection with restrictor flap Communication Documentation - programme stored in case of power failure Programming - AtmoCONTROL software for reading out, managing and organising the data logger via Ethernet interface	5.	LABORATORY OVEN, (50L-150L capacity) Specifications: Control of standard components, Temperature - 1 Pt100 sensor DIN class A in 4-wire-circuit ControlCOCKPIT - adaptive multifunctional digital PID-microprocessor controller with high definition TFT-colour display Timer - Digital backwards counter with target time setting, adjustable from 1 minute to 99 days Temperature Set temperature range in °C min. 5°C above ambient up to 250°C (min) resolution of display for set point values 0.1°C up to 99.9°C, 0.5°C from 150°C and for actual values 0.1°C (LED) Control technology Function Set point WAIT - the process time does not start until the set temperature is reached Language setting German/English/Spanish/French Calibration - three freely selectable temperature values Adjustable parameters-temperature (Celsius or Fahrenheit), air flap position, programme time, time zones, and summertime/wintertime Ventilation Natural convection Fresh air admixture - adjustment of pre-heated fresh air admixture by air flap control in 10 % steps Vent - vent connection with restrictor flap Communication Documentation - programme stored in case of power failure. Safety

	<p>(temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as accessory (on demand). Safety Autodiagnostic system - for fault analysis Standard equipment Scope of delivery - incl. works calibration certificate for +160°C</p>	<p>Autodiagnostic system - for fault analysis Standard equipment Scope of delivery - incl. works calibration certificate for +160°C</p>
6.	<p>PH BENCHTOP METER, Descriptions: The most modern measuring technology available along with new functionality such as Auto Read and CMC (measuring range monitoring) which makes lab measurements even more reliable.; - Reproducible measuring results with active Auto Read function; - Simple calibration with adjustable calibration timer; - Intuitive operation with clearly arranged keyboard; A perfectly suited benchtop meter for measurements in laboratories in the chemical and pharmaceutical industries as well as in medical labs.; Precise measurements; Users achieve reproducible measured results due to the active automatic Auto Read function with independent detection of stable measuring values.; An adjustable calibration timer assists in an increased improvement of the accuracy.; Easy to operate; The user-friendly keyboard with large, easy to read LCD display, deliver all relevant information at a glance.; Specifications: Measuring range pH -2 ... 16. -2000 ... 2000 mV. temperature: -10 ... 100 °C. ISE 0 ... 30000 ppm; Display Graphic: LCD Display. 128 x 64 pixel, backlid storage; Calibration: 3; channels: 1; protection: IP 40; interface: USB; Power supply: external power supply 5 V DC of 100 - 240 V. 50/60 Hz. power input: 5 Watts; Installation and Commissioning on Site, Hands on Training to End Users with Certificate 1 year monitoring of Units under warranty 2, year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer"</p>	<p>6. PH BENCHTOP METER, inclusive of electrode for liquid samples pH; mV; single channel; pH resolution: 0.01 Specifications: ±0.01 pH ; ±1 mV; ±0.5 oC; -1999-1999 mV; Measurement resolution -5oC - 110oC; inclusive of meter, electrode and pH powder set (4.01, 7.01, 10.01) Measuring range pH -2 to 16 or -2000 to 2000 mV. Temperature: -10 to 100 °C. Display Graphic: LCD Display or better with resolution of 128 x 64 pixel or better, backlit; Calibration: can be calibrated using 2 or 3 pH buffers (2 or 3 point calibration); Channels: at least 1; Protection: IP 40 or better; Interface: USB or better; Power supply: external power supply 5 V DC of 100 - 240 V. 50/60 Hz. Installation and Commissioning on Site, Hands on Training to End Users with Certificate At least 1 year monitoring of Units under warranty At least 1 year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
7.	<p>ELECTRIC PIPETTE CONTROLLER, Technical Specifications: Rechargeable Battery Type NiMH (set of 3 batteries) Charging time Approx. 3 hours AC-Adaptors Included in package: Universal adaptor with Europe, US Japan, UK, Chi and Aus plugs; Weight: 212 g; Number of Pipetting Cycles: ~ 2,000; Maximum Pipetting Speed: ~ 10 mL/s; Pipette Compatibility: 1-100</p>	<p>7. ELECTRIC PIPETTE CONTROLLER, Specifications: Rechargeable Battery: Type NiMH or better (set of at least 3 batteries) Charging time: 3 hours or better Number of Pipetting Cycles: ~2,000 or better; Maximum Pipetting Speed: ~10 mL/s or better;</p>

	<p>mL common glass or plastic pipettes; Adapter set available separately 5 mL Optifit Tip; Adapter set available separately 10 mL extra-long; Optifit Tip Gravity Dispensing Available Hydrophobic Filters 2 included in package 0.45 µm autoclavable Available separately 0.2 µm pre-sterilized Autoclavability Autoclavable nose cone and silicone adapters 121° C, 20 min, 1 bar Includes: Adapter set for 10 mL pipette tip, autoclavable, including nose cone and the silicone adapter-cat # LH-711018 Optifit Tip 10 mL, bulk in box-100 pcs, (extra-long tip for Midi Plus)-cat # 780310</p>	<p>Pipette Compatibility: 1–100 mL common glass or plastic pipettes; Gravity dispensing capable; Autoclavability Autoclavable nose cone and silicone adapters</p> <p>Inclusions:</p> <ol style="list-style-type: none"> 1. AC Adaptors (Universal adaptor with Europe, US Japan, UK, Chi and Aus plugs) 2. (optional but inclusion is an advantage) Hydrophobic Filters: 0.45 µm autoclavable and 0.2 µm pre-sterilized 3. (optional but inclusion is an advantage) Adapter set for 10 mL pipette tip. <p>Installation and Commissioning on Site, Hands on Training to End Users with Certificate At least 1 year monitoring of Units under warranty At least 1 year Calibration (All Equipment) with Calibration Certificate and Sticker Certificate of Distributorship from Manufacturer</p>
8.	<p>PIPETTOR, 8 Channels Mechanical Pipettor (30-300 ul) - increment 0.20 ul; - Systematic Error for test volumes 30ul needs 0.75ul, 150 ul needs 1.50ul and 300ul needs 1.80ul; Descriptions: - Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for models above 10µl for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly; - Superior Ergonomics - designed handle and finger hook; - Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil; - Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length 239 mm; - Weight of 82 grams –; Installation and Commissioning on Site, Hands on Training to End Users with Certificate, 1 year monitoring of Units under warranty, 2-year Calibration (All Equipment) with</p>	<p>8. PIPETTOR, 8 Channels Mechanical Pipettor (30-300 ul) - increment 0.20 ul; - Systematic Error for test volumes 30ul needs 0.75ul, 150 ul needs 1.50ul and 300ul needs 1.80ul; Descriptions: - Easy volume adjustment with click stop system; - Large display for easy reading of volume - For both right- and left-handed users; - Color coded for easy matching of fitting tips; - Materials have high chemical and UV- resistance to secure long life-time of the pipette; - Easy cleaning only with 3 parts needed to disassemble for deep cleaning, without any tools; - Safe-cone filters available for the model for extra protection when using non-filtered tips; - With light tip ejector; - Fully autoclavable without the need for disassembly; - Superior Ergonomics - designed handle and finger hook; - Good Thermal Insulation to avoid transfer of heat from hand to mechanical spring coil; - Pipetting force of 15N to avoid Repetitive Strain Injury (RSI); - With click stop as volume locking; - Length approx. 239 ±10 mm; - Weight aprox. 75-85 grams;</p>

	Calibration Certificate and Sticker, Certificate of Distributorship from Manufacture		Installation and Commissioning on-Site, Hands-on Training to End Users with Certificate, 1 year monitoring of Units under warranty, 2-year Calibration (All Equipment) with Calibration Certificate and Sticker, Certificate of Distributorship from Manufacture
10.	WALK-IN AIR SHOWER, 201 and 304Stainless steel, Internal dimension - 800x910x1980mm, External dimension - 1400x1000x2100mm, Door - Electrical Interlock, Access control - Support password swipe, fingerprint, face recognition	10.	WALK-IN AIR SHOWER, Manufacturer Dimension, Capacity – 1 to 2 people Door - Electrical Interlock, Access control - Support password swipe, fingerprint, face recognition

For guidance and information of all concerned.

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