

၂၀၂၂-၂၀၂၃ အစည်းအဝေးနှင့် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
1	<p>WORKS (ပြည်ထောင်စုနယ်မြေ)</p> <p><u>Extension</u></p> <p style="text-align: center;"><u>Lot(1)</u></p> <p>1Machinery & Equipment</p> <p>(1) Artificial Climate Chamber Country of Origin - China Brand - Hinotek Model: GTOP-1000D Temp. Range: 0-50°C;Resolution: 0.1°C Temp. Fluctuation: ±0.5°C Temp. Uniformity: ±1°C Humidity: <80% Humidity Fluctuation: ±5% Illuminance: 0-15000Lx (5500 Lux default) Power: 220±22V Time Range: 0-9999 min Density: 1000L Working Chamber (mm): 123×60×1270 Overall Size(mm): 1250x655x1895</p> <p>(2) Bench-top mini centrifuge 14,000rpm 24 x 1.5/2.0ml MIKRO 185 (Cat. No. 1203) with spin column rotor (Cat. No. 1213)Hettiche, Germany</p> <p>(3) Micropipette (0.2-2ul,2-20ul, 20-200ul,100-1000ul)</p> <p>(4) Multi-channel pipette (8 channel) including Volume range : ul-10ul Fully autoclavable (121°C for 20 minutes) Enhanced UV resistance</p> <p>(5) 96 well plate (0.1ml) Micro Amp AM fast optica</p> <p>(6) Mini plate spinner Centrifuge speed: 2500 rpm Capacity:2 plates Weight:1.58 Kg Dimensiioni 6"×6"×7"</p>	<p style="text-align: center;">1 No</p> <p style="text-align: center;">1 No</p> <p style="text-align: center;">1 Set</p> <p style="text-align: center;">1 Set</p> <p style="text-align: center;">1 No</p> <p style="text-align: center;">1 No</p>

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
 သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
	(7) Micropipette (0.5-10 µl , 100-1000 µl and 5 ml) Fully autoclavable. (121°C for 20 minutes) Enhanced UV resistance Nichipet, Japan	3 Nos
	(8) petridish Size ø3" × H1/2"	50 Nos
	(9) Sieves Size(1000, 500,250,100,50)µm	5 Nos
	(10) Blander MXAC 400 1000 watts max,motor locked wattage 4 Stainless Steel 4 Jars , Juice Fitter	2 Nos
	(11) Water Deionizer Brand;Biobase Model;Biobase Scsj-III 15 LCD Display High Purifity RO/Di Automatic Water Purifier Country of Origin : China Display:LCD Wateroutput speed 15L/H Pretreatment Unit Special Spun Fiber *1, etc Subsequent Unit Mixed Bed Resin Cartridge *2 TDS RO Water :5~10Ppm Conductivity 0.067~0.055us/Cm Control System Automatic electronic pressure sensor controlling , RO membrane auto flushing, Automatic stop when water supply shortage, Automatic stop tank full,	1 No

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
 သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
	(12) Vortex Mixer Brand: Thermo Fisher Scientific Model: Digital Vortex Mixer Country of Origin: USA Speed: 200-3000 rpm Load Bearing Capacity: 0.5kg Voltage: 230V Platform Material: Rubber, plastic Item Description: Digital Vortex Mixer, 230V EU/UK/CHN Plug Plug Type: 230V EU/UK/CHN Plug For Use With (Equipment): Rocker, Rotator, mixer Electrical Requirements: AC 100V Dimensions (L x W): 390 x 370 x 340 mm / 15.4 x 14.6 x 13.4 in.	1 No
	(13) Vortex Mixer Electronic Speed Regulation : 0-3000 rpm Operating Mode: Touch, continuous Touch mode: shaking starts when a small amount of pressure is applied to the rubber cup. Power Supply : 240 V / 50-60 Hz Orbital Diameter mm: 4.5	1 No

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
	<p>(14)</p> <p>Microscope</p> <p>Brand: Fisherbrand™</p> <p>Model: Fisherbrand™ Advanced Research Grade Upright Microscope</p> <p>Country of Origin: USA /Malaysia</p> <p>Objectives: 4x, 10X, 40X, 50x(oil), 100x(oil)</p> <p>Includes: Eyepieces, Stand, Dust Cover, Objectives, Power Cord, Immersion Oil</p> <p>Model: Infinity Optical System</p> <p>Objective Types : High Contrast Chromatic-Free Full Plan Achro objectives</p> <p>Voltage: 110 to 220 V</p> <p>Design Type: Camera attachment</p> <p>Magnification Power: 40x, 100x, 400x, 500x, 1000x</p> <p>Eyepiece: Wide Field Eyepiece WF10X/F.N.22 mm</p> <p>Lighting Type: 5W LED illumination</p>	<p style="text-align: center;">1 No</p>
	<p>(15) Manifold Chamber for Freeze Dryer (TFD 5503)</p> <p>Model- MC1224</p> <p>1/2 Valve-24Fa</p> <p>Stainless Steel 304</p>	<p style="text-align: center;">1 No</p>
	<p>(16) Portable Compact Balances</p> <p>Country of Origin - UK</p> <p>Brand - Adam</p> <p>Model: CQT 2000</p> <p>Capacity: 2000g</p> <p>Readability: 1g</p> <p>Linearity (+/-) : 0.02g</p> <p>Pan size : 145mm</p> <p>Weighing units: g,kg,lb,0z,N.GN, ct,dr,tl,T</p> <p>Stabilization time : 2sec</p> <p>Display: Blacklit LCD with 18mm high digits</p> <p>Operating temperature: 0' to 40'C</p> <p>Draught Shield: N/A</p> <p>Overall Dim. : 171*250*80 (wxdxh)</p> <p>Net Weight : 0.9g</p>	<p style="text-align: center;">1 No</p>

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
	<p>(17) pH/Conductivity/TDS Tester Country of Origin - USA Brand - Hanna Model No -HI-98129 pH Range : 0.00 to 14.00pH pH Resolution: 0.01pH pH Accuracy : +/-0.05 pH Conductivity Range: 0 to 3999 uS/cm Conductivity Resolution: 1uS/cm TDS Range: 0 to 20000 ppm (mg/l) TDS Resolution : 1 ppm (mg/l) TDS Accuracy: +/-2% F.S Temperature Range: 0.0 to 60.0°C/32.0 to 140.0°F TDS Conversion Factor: 0.45 to. 1.00 Temperature Resolution: 0.1°C /0.1°F Temperature Accuracy (@25°C/77°F) :+/-0.5°C/0.1°F Conductivity Accuracy (@25°C/77°F) : +/-2% F.S</p>	1 No
	<p>(18) Temperature/RH/CO2 Meter Country of Origin - USA Brand - Spectrum Model No - 3440 CO2: 0 to 2,000 ppm Accuracy: +/-5% Temperature : 14 to 140°F (-10' to 60°C) Accuracy: +/- 0.9°F (+/-0.5°C) RH 0.0% to 99.9%</p>	1 No
	<p>(19) Digital universal table centrifuge Max speed; 18000rpm(12×1.5ml) Max.RCF;21,382 Max,Capacity;4×100ml Running time;1sce-99 min;59sec, conyinuuous run,shot cycle mode (impulse key) With 2 Rotor 6×50 ml/24×1.5ml</p>	1 No

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
 သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
	(20) High-Capacity Balance Max (g) 8000 Readability [d] (g) 0.1 Pan (mm) 320x220 Repeatability (g) 320 Linearity (g) ± 0.2 Response time (sec.) 05 Model: RB8001 Brand: Bel Engineering Country of origin: Itlay	1 No
	(21) Humidifier Power -25W Volatge-120 Mist Output:100-38ml/hr Capacity:6.5l Area coverage:41-60m ² Model-HD 1355A	1 No
	(22) Plant Growth chamber capacity 432l, Heating forced Air convection ,J5D .4D Prpgrammable Digital PID Control 11 segment 999 Cycles repeat Light Off:+odeg~+6 deg Light on:+10~60deg (w/o)Humidity control ,30~98%RH (sensor Range)	1 No
	(23) HEPA filter တပ်ဆင်ထားသည့် ဓါတ်ခွဲခန်းသုံး Air condition system 2 Nos တပ်ဆင်ခြင်း(HVAC, System) အတွက်လိုအပ်သောပစ္စည်းများ (1)HVAC Design ang Calculations Work (2)AHU w HEPA H13 (3)MAU (4)Exhaust System (5)AHU & MAU semi-outdoor housing+drains (6)Motor Control Panel for Manual Operation	1 Lot 1 No 1 No 1 Lot 1 Lot
	M & E Total Works Extension Total Works Total	1 Lot 1 Lot

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
2	<p style="text-align: center;">OFFICE (ပြည်ထောင်စုနယ်မြေ)</p> <p style="text-align: center;">Lot(2)</p> <p>1.Machinery&Equipment</p> <p>(1)Air conditioner(Split Type. Non Inverter/R410a 1.5HP</p> <p>(2)Moter 10HP,3Phase</p> <p>(3)Compressor 3 Stroke 5HP</p> <p>(4)Water Pump 2" 2HP</p> <p>(5)မြက်ရိတ်စက် (ဘေးလွယ်)</p> <p style="text-align: center;">M & E Total</p> <p style="text-align: center;">Lot(3)</p> <p>2.Office Equipment</p> <p>(1)Copier IR 2625i (Basic) One Tube of Toner Standard Duplexing 2x550 Shts Universal Cassette 1x100 Shts Stack Bypass STD;2GBMemory, 7inch TFTLCD WVGAColorTouch Panel</p> <p>(2)Printer (A4)</p> <p>(3)Scanner (A4) Lide 400</p> <p>(4)Fax (A4) L170</p> <p>(5)Lap top Computer 8th Gen, Intel Core i7- 8565U(1.8to2.0GHz)8GBDDR4,2400 Memory, NVIDIA © Geforce ® 4GB,15.6' FHD Display,Window 10Home USBC,DVD RW , ,LAN, WLAN, USB,HDMI</p>	<p style="text-align: center;">8 Nos</p> <p style="text-align: center;">1 No</p> <p style="text-align: center;">2Nos</p> <p style="text-align: center;">2Nos</p> <p style="text-align: center;">2Nos</p> <p style="text-align: center;">1 No</p> <p style="text-align: center;">4 Nos</p> <p style="text-align: center;">2 Nos</p> <p style="text-align: center;">2 Nos</p> <p style="text-align: center;">2 Nos</p>

၂၀၂၂-၂၀၂၃ ဘဏ္ဍာရေးနှစ် လုပ်ငန်းတွင်းသုံးဝယ်ယူခွင့်ရရှိသောစက်ပစ္စည်းစာရင်း
 သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန/ ဇီဝနည်းပညာသုတေသနဦးစီးဌာန

စဉ်	အမျိုးအမည်	အရေအတွက်
	<p>(6)Color laser Printer Model LPB-623Cdw Print Speed (A4): up to 21ppm (mono/colour) First Print Out Time(A4):10.4/10.5 sec(mono/Colour) Print resolution: up to 1,200(equivalent)×1,200dpi (equivalent) 1GB Memory, UFR II,PCL6 Gigabit Ethernet Wireless Direct Connection Monthly Duty Cycle 30000 Pages</p> <p style="text-align: right;">OE Total</p> <p style="text-align: center;">Lot(4)</p> <p>3.Furniture</p> <p>(1) သံဘီရို</p> <p>(2) Safe Box 700-L-S (23" x 23" x 30") (W x D x H)</p> <p style="text-align: right;">Furniture Total Office Total Grand Total</p>	<p style="text-align: center;">10 Nos</p> <p style="text-align: center;">1 No</p>