



**သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန**  
**နည်းပညာ၊ သက်မွေးပညာနှင့် လေ့ကျင့်ရေးဦးစီးဌာန**  
**၂၀၂၃-၂၀၂၄ခု၊ ဘဏ္ဍာရေးနှစ်အတွက်**  
**အိတ်ဖွင့်တင်ဒါခေါ်ယူခြင်း**

၁။ နည်းပညာ၊ သက်မွေးပညာနှင့် လေ့ကျင့်ရေးဦးစီးဌာနရှိ အစိုးရနည်းပညာကောလိပ်များ၊ အစိုးရစက်မှုလက်မှုသိပ္ပံများ၊ အစိုးရနည်းပညာအထက်တန်းကျောင်းများနှင့် သက်မွေးပညာ သင်တန်းကျောင်းများအတွက် လိုအပ်သော သင်ကြားရေးသုံးသင်ထောက်ကူစက်ပစ္စည်းများ၊ ရုံးသုံးစက်ကိရိယာများနှင့် ပရိဘောဂများအား မြန်မာကျပ်ငွေဖြင့် ဝယ်ယူလိုပါကြောင်း ဖိတ်ခေါ် အပ်ပါသည်။

၂။ အိတ်ဖွင့်တင်ဒါလျှောက်လွှာပုံစံများကို (၅-၄-၂၀၂၃)ရက်နေ့မှစ၍ ရုံးချိန်အတွင်း အစိုးရ နည်းပညာကောလိပ်(မန္တလေး)၊ အစိုးရစက်မှုလက်မှုသိပ္ပံ(နေပြည်တော်)နှင့် အစိုးရစက်မှုလက်မှု သိပ္ပံ(အင်းစိန်)တို့တွင် ဝယ်ယူနိုင်ပြီး (၂၇-၄-၂၀၂၃)ရက်နေ့ ညနေ(၄:၀၀)နာရီ နောက်ဆုံးထား၍ တင်ဒါလျှောက်လွှာပုံစံဝယ်ယူခဲ့သောကျောင်းသို့ တင်ဒါများ တင်သွင်းရမည်ဖြစ်ပါသည်။

၃။ အဆိုပါသင်ကြားရေးသုံး သင်ထောက်ကူစက်ပစ္စည်းများ၊ ရုံးသုံးစက်ကိရိယာများနှင့် ပရိဘောဂများအား သက်ဆိုင်ရာဌာနနှင့် ကျောင်းများသို့ အရောက်ပေးပို့တပ်ဆင်ပေးနိုင်ရမည်။ လိုအပ်ပါက နည်းပညာဆိုင်ရာ သင်တန်းပေးဆောင်ရွက်နိုင်ရမည်။

၄။ အိတ်ဖွင့်တင်ဒါလျှောက်လွှာပုံစံ၊ စည်းကမ်းချက်များနှင့် အသေးစိတ်အချက်အလက် များကို ရုံးချိန်အတွင်း ဖုန်းနံပါတ်-၀၆၇၃၄၀၄၅၀၅/ ၀၆၇၃၄၀၄၃၈၉/ ၀၆၇၃၄၀၄၄၅၆ (ဦးစီးဌာန၊ ရုံးချုပ်)၊ ၀၉၇၇၆၆၈၀၂၃၈ အစိုးရနည်းပညာကောလိပ်(မန္တလေး)၊ ၀၉၈၈၇၆၄၅၅၈၀ အစိုးရ စက်မှုလက်မှုသိပ္ပံ (နေပြည်တော်)နှင့် ၀၉၄၄၉၇၇၃၆၀၇ အစိုးရစက်မှုလက်မှုသိပ္ပံ(အင်းစိန်)တို့ တွင် ဆက်သွယ်စုံစမ်းနိုင်ပြီး Website ဖြစ်သော [www.dtv.gov.mm](http://www.dtv.gov.mm) တွင်လည်း ဝင်ရောက် ကြည့်ရှုနိုင်ပါသည်။

**နည်းပညာ၊ သက်မွေးပညာနှင့် လေ့ကျင့်ရေးဦးစီးဌာန**



သိပ္ပံနှင့်နည်းပညာဝန်ကြီးဌာန၊ နည်းပညာ၊ သက်မွေးပညာနှင့် လေ့ကျင့်ရေးဦးစီးဌာန  
 ၂၀၂၃-၂၀၂၄ ခု၊ ဘဏ္ဍာရေးနှစ်အတွက် ဝယ်ယူမည့် စက်ပစ္စည်းများအတွက် တင်ဒါဖောင်ကြေးနှင့်  
 တင်ဒါစဘော်ငွေများ

စဉ်	ဘာသာရပ်	တင်ဒါစဘော်ငွေ (ကျပ်)	တင်ဒါဖောင်ကြေး (ကျပ်)
၁	Electronic Engineering Test Equipment	၂၂၀ သိန်း	၃၀,၀၀၀
၂	Electrical Power Engineering Test Equipment	၄၉၀ သိန်း	၅၀,၀၀၀
၃	Information Technology Equipment	၁၂၀ သိန်း	၁၅,၀၀၀
၄	Mechanical Engineering Test Equipment	၁၉၀ သိန်း	၁၅,၀၀၀
၅	Industrial Engineering Test Equipment	၅ သိန်း	၂,၀၀၀
၆	Civil Engineering Test Equipment	၄၁၀ သိန်း	၅၀,၀၀၀
၇	Civil (Hydraulic Engineering )Lab Equipment	၉၆ သိန်း	၁၀,၀၀၀
၈	Farm Machinery	၁၀ သိန်း	၅,၀၀၀
၉	Training For Electric Vehicle	၄၅ သိန်း	၁၀,၀၀၀
၁၀	Refrigeration & Air conditioning Test Equipment	၄ သိန်း	၂,၀၀၀
၁၁	Textile Equipment	၂၃ သိန်း	၁၀,၀၀၀
၁၂	Pure Electric Vehicle Integrated Training	၁၀၀ သိန်း	၁၅,၀၀၀
၁၃	Office Equipment	၂၆၀ သိန်း	၃၀,၀၀၀
၁၄	Furniture	၂၃၀ သိန်း	၃၀,၀၀၀



## 1. Electronic Engineering Test Equipment

SR. No.	Description	Specification
1	2	3
1	AC Power Supply	<ul style="list-style-type: none"> <li>-Digital display for output voltage and current</li> <li>-Output voltage and current continuously adjustable</li> <li>-Over current protection</li> <li>-Isolative safety</li> <li>-Input voltage: 230 (220) VAC</li> <li>-Output voltage: 0~260 VAC</li> <li>-Protection: over current</li> </ul>
2	DC Power Supply	<ul style="list-style-type: none"> <li>- Output off function</li> <li>-Dual independent adjustable DC outputs.</li> <li>-Independent, series and parallel variety output</li> <li>-Constant voltage and constant current</li> <li>- Low ripple and noise</li> <li>-Four LED displays with 3 digits, selectable for two sets</li> <li>-Auto tracking output</li> <li>-Input voltage: 230 (220) VAC</li> <li>Output voltage: 0~30 VDC</li> </ul>
3	NI ELVIS II Board	<ul style="list-style-type: none"> <li>-workstation consists of a prototyping board</li> <li>-several other features that are essential for electrical/ electronics laboratory</li> </ul>



SR. No	Description	Specification
1	2	3
4	Communication Trainer	DSSS Spread Spectrum QPSK, QAM DPSK, GFSK Signal Constellations Software Defined Radio Sampling Principles Eye Diagrams and ISI Line Codes and Bit Clock Regeneration PCM and PCM-TDM BPSK, ASK FSK, PWM SNR in Noisy Channel Delta and Sigma-Delta Fiber Optics Fiber Optics Coupling and WDM
5	Microcontroller Trainer	PIC /Arduino/Click Boards ; Assessment tools; Core: RISC Data bus width: 32 bit Description / function: Complete solution for developing with FTDI chips line of Microcontrollers
6	PLC Trainer	PLC CPU 1217C + HMI 7" TIA Software (V14 SP 2 Professional) with Power Supply
7	LOGO! 8 PLC	LOGO!8 PLC Trainer with power supply LOGO!POWER 24V/1.3A
8	Analog Lab Unit	-Fixed DC: +5V, +12V, -12V -Maximum Current Output: 0.3A -Dual DC Power Supply: 0 ~ +25V and 0 ~ -25V -adjustable AC Power Supply -Voltage Range: 2V-0V-2V, 12V-0V-12V, 15V-0V-15V -Maximum Current Output: 500mA



SR. No	Description	Specification
1	2	3
		-Function Generator: -Output Waveform: Sine, Square, Triangle and TTL -Output Frequency: up to 100KHz in five steps
9	Fiber Optic Splicer	-Mutti-Mode(M M), -Single Mode(SM)c652&G657 -Single Mode(DS/NZDS)Non-Zero Dispersion -Shifted Fibe Ctadding diameter: 80...150µm
10	The Study of microcontroller	-Main Motherboard: -8-Bit A/D Converter -8-Bit D/A Converter -128x64 Graphical LCD -16x4 Character LCD
11	CCTV Tester	Rsrting CCTV Camera Tester,4K IP Camera Tester, IPS Touch Screen Support POE Wifi 4IC H.265 HDMI 8GBTF Card DC 5V/12V/24V Output IPC Tester IPC-9800 Plust
12	Fiber optic cable ethernet converter	(100BASE-TX/FX) standards Electrical port supports Auto-Negotiation for 10Mbps or 100Mbps, full duplex or half duplex data. Automatic MDI/MDI-X crossover Distances up to:2km Multimode, 25-120 km Single Mode ST,SC,FC LC,SFP Slots optical connectors AC/DC powered Status LED's for TX,FX LINK/ACT,POWER, 100M to easily monitor network status )
13	FM Modulation and Demodulation Trainer	<ul style="list-style-type: none"> <li>• Audio Oscillator:300-3.4 K Hz</li> <li>• FM Modulator :2Nos</li> <li>• Mixer/Amplifier :1 Nos</li> <li>• Transmitter output frequency :455 K Hz</li> <li>• LPF :3.4 K Hz</li> </ul>



SR. No	Description	Specification
1	2	3
14	LOGO 8 Control Device with DC power supply	24V AC/DC 4 Relays 10 A with resistive load; 3 A with inductive load
15	PLC S7 1500 Starter Kit	CPU 15163-3 PN/DP CPU with working Memory 1MB for Program, 5MB for Data)
16	SMD Rework Station(Hot Air)	control warm(Temperature Adjustable) -Handpiece Length: 196MM . 110V 220V available -anti-static
17	Wireless Router ( CPE ) Unit	2.4GHz High Power Wireless Outdoor CPE
18	Function Generator	-Complete dual channels function/arbitrary waveform generator -Channel independence, coupling, track working mode -200 MSa/s sampling rate and 14-bit vertical resolution per channel -Output of 6 standard waveforms, built-in 50 kinds of arbitrary waveform -Multi modulation function: AM, DSSC - AM, FM, PM,PWM, FSK, ASK, -BPSK and logarithm/linear sweep
19	Oscilloscope (100 MHz)	-AUTO's strategy presetable -Automatic measurement of 34 waveform -Automatic cursor tracking measurement -low noise floor, wide vertical range: -7 inches TFT LCD,high resolution display
20	Portable Cutting Machine	(1500W, 220V, 11000 rpm) Saw Type : Mini Cutting Machine



SR. No	Description	Specification
1	2	3
21	Digital CCTV System	IP Camera Input-8 Supported Cameras IP Camera up to 8 MP PoE, PoC, Wi-Fi Support: 8xPoE Internal HDD-2 Alarm input/ Relay Output-4/1 Audio In/Out-1/1
22	Digital IP CCTV	1080 P IP CAMERA Package includes: 1x4Channel H-264 Network Video Recorder(POENVr) 1x1080(2 Megapixels) IR Dome Day /Night IP CAMERA 1x1000 GB SATA Hard Disk Cable and Accessories
23	Inverter (3000 W)	-(220V , 50 Hz ) Output -Input 12 VDC
24	Voltage Regulator	0-400V, 3000W, 50Hz

## 2. Electrical Power Engineering Test Equipment



NO.	Description	Specification
1	2	3
1	Professional KNX Trainer Set	<ul style="list-style-type: none"> <li>-Output Switch Actuator, 8 ch, 20A</li> <li>-Power supply, 30V, 38.4Watt, 640mA</li> <li>-Dimmer Actuator, 2ch, N582</li> <li>-Shutter Actuator, 2ch,</li> <li>-USB Interface, dinrail mount</li> <li>-Push Button, 8 fold</li> </ul>
2	Indoor Solar Energy Training System	<ul style="list-style-type: none"> <li>-Moveable Solar Module Frame</li> <li>-Light Intensity Control Installed</li> <li>-Electronic charge regulation module, with LCD display</li> <li>-MPPT tracking and energy monitor</li> <li>-Load management module</li> <li>- Active DC load configurable as constant resistance or constant current.</li> <li>-Network monitor module</li> <li>-Circuit breaker module.</li> <li>- DC load module</li> <li>-Solar panel, minimum. 90W, 12V, with solar irradiation and a temperature sensor.</li> <li>- Battery and battery protection module</li> <li>-Grid-tie inverter (300W,12V)</li> <li>- Multifunction measurement module: solar irradiation (up to 1000 W/m<sup>2</sup>), solar panel temperature (up to 400°C), 2 DC power meters (65Vdc, 20Adc, 1000W) and 1 AC power meter (512Vac, 20Aac, 1000W)</li> <li>-Off-grid inverter module, with sinusoidal output(300W)</li> <li>-Sun simulator for Indoor use</li> </ul>
3	Solar Tracking Control Trainer	<ul style="list-style-type: none"> <li>-Including with Laptop Computer Core i3 (latest generation)</li> <li>-PWM charger</li> <li>-Simulation of cardinal plane in 3rd graph with location and movement of solar source.</li> <li>-Position of sun at any instant and any location.</li> <li>-Sun tracking at any time.</li> <li>-Efficiency of PV panel output with and with out tracking.</li> <li>-Solar tracking control: Solar cell voltmeter</li> </ul>





## 2. Electrical Power Engineering Test Equipment

SR. NO.	Description	Specification
1	2	3
		<ul style="list-style-type: none"> <li>-DC output (motor)</li> <li>-Irradiation sensor</li> <li>- CDS sensor output</li> <li>-Motor control (horizontal vs. vertical)</li> <li>-Limit control (horizontal vs. vertical)</li> <li>-DC 24V input</li> <li>-40W solar cells (20W x 2ea)</li> <li>- DC geared motor</li> <li>-Software</li> </ul>
4	Electrial Transformer Trainer	<ul style="list-style-type: none"> <li>-Experiments;- Single Phase Paralleling Transformer</li> <li>-Single Phase Open Circuit Test of Transformer</li> <li>-Three Phase Transformer in Parallel</li> <li>-Three Phase Banking of 3, Single Phase Transformer Technical Features;</li> <li>-Variable Three Phase Power Supply AC</li> <li>-Power supply provides variable Three Phase Voltage (Single Phase Short Circuit Test of Transformer)</li> </ul>
5	AC Power Supply	<ul style="list-style-type: none"> <li>-Digital display for output voltage and current</li> <li>-Output voltage and current continuously adjustable</li> <li>-Over current protection</li> <li>-Isolative safety</li> <li>-Input voltage: 230 (220) VAC</li> <li>-Output voltage: 0~260 VAC/ (0~300) VAC</li> <li>-Protection: over current</li> </ul>
6	DC Power Supply	<ul style="list-style-type: none"> <li>- Output off function</li> <li>-Dual independent adjustable DC outputs.</li> <li>-Independent, series and parallel variety output</li> <li>-Constant voltage and constant current</li> <li>-Low ripple and noise</li> <li>-Four LED displays with 3 digits,selectable for two sets</li> <li>-Auto tracking output (0~30) VDC</li> </ul>



## 2. Electrical Power Engineering Test Equipment

SR. NO.	Description	Specification
1	2	3
7	Electrical Machine Trainer	<ul style="list-style-type: none"> <li>-Electric Machine, DC, AC, Shunt, Squarrel Cage,</li> <li>-Compound, Techo meter, Brake</li> </ul>
8	House Installation Trainer	<ul style="list-style-type: none"> <li>-Circuit symbols, number codes of installation cables</li> <li>-Wiring diagrams</li> <li>-Circuits with electrical sockets and lamps</li> <li>-Dimmer circuits</li> <li>-Circuits with motion detector</li> <li>-Circuits with toggle switch</li> <li>-Circuit with crossover switch</li> <li>-Circuit with impulse switch</li> <li>-Staircase time switch</li> <li>-Measurements in faulty circuits</li> </ul>
9	Electrical Drive Trainer	- VFD Driver Trainer Type- G120
10	Industrial Installation Trainer	<ul style="list-style-type: none"> <li>-Wiring diagrams</li> <li>-Categories for switches and contactors</li> <li>-And - / or circuits with and without selfholding</li> <li>-Auxilliary contactors</li> <li>-Interlocking pushbutton - and contactor circuits</li> <li>-Circuits with switch on - switch off delay</li> <li>-Flashing cirucits</li> <li>-Sequence control</li> <li>-Directly switching on a motor</li> <li>-Reverse contactor circuit</li> <li>-Star-delta circuit</li> <li>-Pole-changing of motors</li> </ul>
11	PLC Trainer	- PLC Training Kit



## 2. Electrical Power Engineering Test Equipment

SR. NO.	Description	Specification
1	2	3
12	LOGO! 8 PLC	-LOGO! 8 PLC Trainer with Power Supply
13	Electrical work table with console (800x1800x800) mm	<ul style="list-style-type: none"> <li>-Worktable floor dimensions: W1800mmxD800mm</li> <li>-The table leg structure is made of steel hollow, size 50x50 mm</li> <li>-Console measures 1800 mmx 170 mmx 200 mm (WxHxD), width equal to the table size.</li> <li>-There are 2 air vents behind the console</li> <li>-Panel Main Circuit Breaker 3 pole: 10A and</li> <li>-Earth Leakage Circuit Breaker 4 pole: 20 A IF 30mA rail mounted with signal lamp</li> <li>-3L/N/PE with lockable Emergency Stop 1 set</li> <li>-AC power supply panel, adjustable, 1 phase, 0-250 V, 2A, with Voltmeter</li> <li>-DC power supply panel, adjustable 0-30 V, can supply power 2A</li> <li>-Dual Universal out let power supply panel 2P+PE size 220 Volt Use with a current of 10 amps, 1 set</li> <li>-Function Generator panel size 0.5Hz-2.5MHz can generate sine, triangle.</li> </ul>
14	Electricity and Electronics Fundamentals Trainer	<p>Trainer board, component and Circuit based PCB Module</p> <p>A. Base Station: Fixed regulated DC Power Supplies: +5V, +15V, -15V</p> <p>Variable Regulated DC Power Supply 0 - 25V</p> <p>Potentiometers: 4 units</p> <p>Pulse Switches: 2 units</p> <p>8 bits LED display.</p> <p>Toggle Switches: 5 spdt</p> <p>Speaker: 2.25 inch, 8 ohm/0.25w</p>



## 2. Electrical Power Engineering Test Equipment

Sr. NO	Description	Specification
1	2	3
		One set of 2 mm stackable test leads to perform all required inter-connections. B. Set of PCB Board Experiment Modules
15	Digital Logic Trainer	Basic and Advance Modules Fixed regulated DC power supplies : +5V, +15V, -15V, variable 1.5 ~ 15VDC Logic indicators : 16 logic indicator Data switches : 16 (for TTL & CMOS) Toggle switches : 4 (SPDT) Push buttons : 3 (2NO, 1NC) Pulsers : 2 pulsers (A,A and B,B) Seven segments : 4 seven segment digital displays Clock generator : 1Hz - 100kHz Test leads : 1 set of stackable 2mm test leads
16	Electromagnetic Devices Study Module	<ul style="list-style-type: none"> <li>- Permanent Magnets and Magnetic Field</li> <li>- Electromagnets , Electromagnetic Induction</li> <li>- Inductive Reactance , The Transformer, Solenoid , Relay</li> <li>- Force on a Conductor and Motor Principle</li> <li>- Stepper Motor</li> <li>- Dimensions: 81 x 323 x 256 mm (W, H, D)</li> </ul>
17	Resistance Decade Box	Variable from 1 to 10 MΩ Resistance
18	Capacitance Decade Box	100 pF to 100 μF Capacitance
19	Inductance Decade Box	1 μH to 100H Inductance
20	Analog Multimeter	(DC 1000V, AC 750V, 1KΩ)
21	Digital Multimeter	(AC 500V, DC 500V, 200MΩ)
22	Handheld LCR Meter	Inductance (H): 20uH~2000H Capacitance (F): 200pF~20mF Resistance (Ω): 20Ω~200MΩ



## 2. Electrical Power Engineering Test Equipment

1	2	3
SR NO.	Description	Specification
23	DC Power Supply	(DC 0 to 30V variable dc) (Rated Power – 900 W Rated output value Voltage : 0 ~ 31V Current : 0 ~ 10.5A Voltage Regulation Line regulation : $\leq 0.01\% + 4 \text{ mV}$ Load regulation : $\leq 0.1\% + 5$ Current regulation Line regulation : $\leq 0.1\% + 3 \text{ mA}$ Load regulation : $\leq 0.1\% + 5 \text{ mA}$ )
24	AC Voltage Regulator	(0-400V/0-500V, 3000W, 50Hz) digital display with wide range voltage Regulator adjustable Transformer single-phase voltage Regulator
25	Contactor Circuits in Three Phase Systems Trainer with accessories	(-3 phase Power Supply, MCB, Fuses, Contactors, Digital Multimeter, Machines accessories ,EST 2 equipment Set)
26	Earth-Ground Testers	-Earth Resistance:0-40 $\Omega$ ,0-400 $\Omega$ -Earth voltage : 0-200V,0-400V
27	Electrical Hand Tools Boxes	Electrical Hand Tools Boxe( Complete Set)
28	Industrial Machines Control Assembly Training Stand Kit	- Industrial Machines Control Assembly Training Stand Kit with Motors
29	Single Phase Induction Motor	50HZ/60HZ, 1.5KW ,220V
30	Solar Training Set (Power Case)	- Solar Training Set - Solar Plate & Inverter Drive
31	Solar Training Set (Sun Tracking)	Solar Training Set Solar Plate & Sun Tracking



## 2. Electrical Power Engineering Test Equipment

SR. NO.	Description	Specification
1	2	3
32	Tablet Oscilloscope (tBook Series)	(Bandwidth: 200 MHz, Rise Time: 1.75ns, Sample rate: 2 GS/s(1 CH), Max Wave form Capture Rate: 500,000 wfm/s, Input Channel: 2)
33	Three phase Induction Motor	(2Hp, Star Connection)
34	Three phase Voltage Regulator	AC (Digital) (6KVA/380V)
35	Digital Storage Oscilloscope (100MHz, 2 channel)	-AUTO's strategy presetable  -Automatic measurement of 34 waveform  -Automatic cursor tracking measurement  -low noise floor, wide vertical range:  -7 inches TFT LCD, high resolution display
36	Function Generator (40MHz, 2 channel)	Output Frequency: 1 $\mu$ Hz~60MHz  Output wave: Sine, Square, Ramp, Burst, Noise, DC,  Arbitrary, Harmonic, Expression  wave length: 8pts~16Mpts



### 3.Information Technology Equipment

SR NO.	Description	Specification
1	2	3
1	AC Power Supply	<ul style="list-style-type: none"> <li>-Digital display for output voltage and current</li> <li>-Output voltage and current continuously adjustable</li> <li>-Over current protection</li> <li>-Isolative safety</li> <li>-Input voltage: 230 (220) VAC</li> <li>-Output voltage: 0~260 VAC</li> <li>-Protection: over current</li> </ul>
2	DC Power Supply	<ul style="list-style-type: none"> <li>-Output off function</li> <li>-Dual independent adjustable DC outputs.</li> <li>-Independent, series and parallel variety output</li> <li>-Constant voltage and constant current</li> <li>- Low ripple and noise</li> <li>-Four LED displays with 3 digits, selectable for two sets voltage and current display simultaneously</li> <li>Auto tracking output</li> <li>voltage (0V-30V), current 0-5A</li> <li>Power :150W</li> <li>Voltage/ Current Display -LED Display</li> </ul>
3	Communication Trainer	<ul style="list-style-type: none"> <li>-The trainer can simulate of LAN environments and network configuration, able to create, configure and monitor LAN networks, support for different protocols including TCP/IP, DNS, DHCP, FTP etc.</li> <li>-The trainer can implement PC to PC communication</li> <li>-The trainer can implement Peer to Peer network</li> <li>-The trainer can implement Client - Server network</li> <li>-The trainer can implement Star topology</li> <li>- The trainer can implement Bus topology</li> <li>- The trainer can implement Ring topology</li> <li>-Data Encryption and Decryption</li> <li>-Data rate up to 100Mbps</li> <li>- Error generation (Manual and Auto)</li> </ul>

### 3.Information Technology Equipment



SR NO.	Description	Specification
1	2	3
4	Microcontroller Trainer	Development Kits, Assessment tools, Core: RISC Data bus width: 32 bit Description / function: Complete solution for developing with FTDI chips line of Microcontrollers
5	Interactive Touch Screen System	-Display;Size 75 Inch - Glass: 4mm Antil Glared glass - Touch Type : Inferred -Response Time :8 ms -Tuoch Points:20 Points -Resolution . 3840x2160 (4K) - Ratio: 16:9 -Frame Rate : 60 Hz -Viewing Angle ; 178" -Operation System : Android 11 -RAM : 2 GB, Storage : 32 GB -Input Method : Finger or Touch Pen -Power. AC: 100 _240V 60 -Operating power: 238W -Standby power:<=5W -Speaker: 10W*2pcs Slot In PC (OPS) -CPU : Intel Core i5 -Memory : 4 GB -HDD: 128 GB SSD -Windows 1 0 Professional -Touch Pen : 2 Pcs





### 3.Information Technology Equipment

SR. NO	Description	Specification
1	2	3
		<ul style="list-style-type: none"> <li>- TV Stand Cart Trolley</li> <li>- Voltage Regulator</li> <li>- Wireless Mini KB+Mouse</li> <li>- One Year Parts and Services Warrant</li> </ul>
6	NI ELVIS II Board	<ul style="list-style-type: none"> <li>- workstation consists of a prototyping board</li> <li>-several other features that are essential for laboratory</li> </ul>
7	Function Generator	<ul style="list-style-type: none"> <li>-Complete dual channels function/arbitrary waveform generator</li> <li>-Channel independence, coupling, track working mode</li> <li>-200 MSa/s sampling rate and 14-bit vertical resolution per channel</li> <li>-Output of 6 standard waveforms, built-in 50 kinds of arbitrary waveform</li> <li>-Multi modulation function: AM, DSSC - AM,FM,PM, PWM,FSK,ASK,</li> <li>-BPSK and logarithm/linear sweep</li> <li>-Various input and output: waveform output, synchronous signal output,external modulation input, counter input, 10 MHz clock input, external trigger input, power signal output/power meter input</li> </ul>
8	Oscilloscope	<ul style="list-style-type: none"> <li>-100 MHz Bandwidth</li> <li>-AUTO's strategy presetable</li> <li>-Automatic measurement of 34 waveform</li> <li>-Automatic cursor tracking measurement</li> <li>-2 channels, low noise floor, wide vertical range: 1mV/div~20V/div</li> <li>-Built in FFT and digital filter</li> <li>-System software upgrade via USB drive</li> <li>-7 inches TFT LCD,high resolution display</li> </ul>



#### 4. Mechanical Engineering Test Equipment

NO.	Description	Specification
1	2	3
1	Car Diagnosis Box	-Car Diagnostic Scanner 8" IPS -LCD touch Screen -12-24 V -DC Input, USB2.0(I,4aster),Mini USB(Slave), RJ 45 Ethernet Cable -Connector, Interface Module Simulation
2	Automotive Scanner Tools & Car Diagnostic Scanner	-CPU : 7420 Octa core @2.1 GHz -LCD : 10.1" TFT (1280 x 800 pixel) -Input Devices : Capacitive Touch Screen, 3 Hard keys (Power, Function 1, Function 2)
3	Hand Grinder	
4	Metallurgical Microscope	Shape: Single Lens Principle: Optics Viewing Head: Trinocular Eyepiece: WF 10x/18
5	Rockwell Hardness Tester	(Total Test Force of 588.4,980.7,1471N (60,100,150 kgf),Buehler
6	Brinell Hardness Tester	Total Loads:from10 to 3000kgf(From98,07to 29421N)
7	Electronic Injector Pump	Voltage: 12 Volts, 24 Volts Fuel Type: Diesel Automation Grade: Semi-Automatic
8	Four Post Lift	Lifting Capacity: 4 Tons Lifting Time: 45 s Lifting Height: 1915 mm Overall Length: 5512 mm Motor Power: 3Hp
9	Anvil	Dimensions: 18"x5"x9" Weight: 100 Lbs



#### 4.Mechanical Engineering Test Equipment

SR NO.	Description	Specification
1	2	3
10	Pendulum impact Tester	Power supply;230V 1hp,50 Hz 180W Dimenssions:800 x578x 1400mm Weight:450kg approx.
11	Universal Milling Machine	-Worktable Size:1500x360mm -Worktable elevating power -feed:590mm/min -“T” -slot(Number/Width/Distance): 3/18/80mm -Main Motor:3.0kw(V)4kw(H) -Worktable Power Feed -Motor:750w -Worktable elevating -motor:1.1kw -Overall -Dimension(LxWxH):2220x1790 x2040mm
12	Bench Lathe Machine	-Max.swing over bed:500mm -Max.swing over cross ,slide:325mm -Valid length of gap:260mm -Spindle Nose:ISO-C6 or ISO- D6 Max.length of workpiece 1000mm -Spindle speeds(Number):22-1800rpm(15 Steps) -Cross-section size of toolshank:25*20mm -Travel of tailstock sleeve:120mm -Main drive motor:5.5kw
13	Vertical Drilling Machine	-Max.drilling capacity:40mm -Max.taping capacity:M27mm -Max.distance from Spindle to column:360mm -Max.spindle travel:180mm -Spindle speed:42-2050 r/min -Effective area of table:550x470mm -Main motor power:2.2/2.8kw



#### 4. Mechanical Engineering Test Equipment

	NO.	Description	Specification
	1	2	3
	14	Welding Machine	ARC-400T 250A,3P 380V or 3P415V -DC MMA IGBT Modular - 2cable joint KDJ 35-50 -Net Weight :9 .6 -Dimenssion:385*215*380
	15	14" Cutting Maching	Input Power: 2200 W Voltage: 220V/ Single Phase No Load Speed: 0-3500 rpm
	16	Universal Tensile Test Machine	Test Speed Range-0.01mm-500mm/min Main Frame Type-Double Column Tension Space-600mm Compression Space-700mm Max load: 200 KN
	17	14" Cutting Machine	Input Power : 2700 Watt Voltage : 220 V , Single Phase No Load Speed : 0~3900 rpm
	18	Double -disc Metallographic Grinding and Polishing Machine	Rinding disc diameter 200mm Polishing disc diameter 200mm Grinding disc rotational speed 50-1000 rpm Grinding head rotational speed 0-100 rpm



### 5.Industrial Engineering Test Equipment

No	Description	Specification
1	2	3
1	Hydraulic Trainer Board and Accessories	Power : 1.1KW  Rotating speed : 1420r/Min  Voltage: 380V(or)220V, 50Hz/60Hz  System Flow: 4.5L/Min  Working Pressure: <6Mpa  Workbench Size:1360x650x1650mm  aluminum panel size:  1200(L)x 600(W)
2	PLC with HMI Trainer board	PLC with HMI  Built-in 24 VDC power supply  Ethernet communications Profinet cable,  Totally Integrated Automation Portal V15 Software  Power-on toggle switch with light indicator  8 push-buttons, 8 indicator lights prewired and addressed  2 potentiometers, 3 panel meters  Cable connector swith insulated head
3	Pneumatics Trainer Board and Accessories	Power unit - air compressor  Power source: AC 220V±10% 50Hz/60Hz  Motor power: 480W  Nominal volume: 6L Rated output pressure 0.85MPa  Dimension: 1360mm(L) x 650mm(W) x 1650mm(H)  Aluminium panel dimension: 1200mm(L) x 600(W)  Power Supply AC 380V, 50Hz/60Hz or customized



### 5.Industrial Engineering Test Equipment

SR No	Description	Specification
1	2	3
4	Technique Training Extend PLC Model	Totally Integrated Automation Portal V15 Software Input and output interface module ProfNet Cable/Data cable micro memory card Power supply(24V, 220V) Terminal Block Magnetic Contactor Input Output board Syslink cable x 4 Nos Base Frame 16"x12"

## 6.Civil Engineering Test Equipment



SR NO.	Description	Specification
1	2	3
1	Apparatus Determination of setting time and consistency of Portland cement	Vicat Apparatus Complete Set Additional weight 700g to the sliding probe -Final needle dia.1,13 mm - Final needle dia. 1 mm (Standards: ASTM - AASHTO) - Glass thermometer -10 to +50° C. Standards EN 13279-2 DIN 1168 Conical Penetration needle Dia 8mm by 50mm Long for gypsum test.
2	Determination of Finess of Portland Cement	Blaine Air Permeability Apparatus Cell - Stainless steel: 12.70 ± 0.10mm Disk- 0.9 ± 0.1 mm thick with 30-40 mm diam,holes Plunger all in stainless steel. Manometer-U-Tube glass with ground joist, stop cock and rubber bulb assembly. Filter Paper-12-70mm diam. Fluid-Pure Mineral Oil Digital Balance(Max Limit-600g with accuracy of 0.1g)
3	Apparatus for Determination of Specific Gravity of Portland Cement	Le Chatelier flask, Packaged Cement Tube Sampler STANDARDS: EN 196-6 / ASTM C188 AASHTO T133 / UNE 83453 Used to determine the relative density (specific gravity) of hydraulic cement and lime.Capacity 250 ml. The neck is graduated from 0 to 1 ml and from 18 to 24 ml with divisions of 0,1 ml. Weight: 500g

## 6.Civil Engineering Test Equipment



SR NO.	Description	Specification
1	2	3
4	Apparatus for Determination of Specific Gravity of Fine and Coarse Aggregate	<p>Specific gravity frame (Bouyancy balance system)</p> <p>STANDARDS: EN 12390:7 / BS 812:2, 1881:114 / UNI 6394:2 Used for specific gravity determination of concrete, aggregates etc.</p> <p>ACCESSORIES:-Density tank, plastic</p> <p>Graduated Flask (2000 cc)/Graduated Flask (1000 cc),</p> <p>Digital Balance(Max Limit-10kg with accuracy of 0.1g)</p> <p>-Cradle for holding concrete cube and cylinder specimens -Density Basket, stainless steel, dia. 200 x 200 mm, mesh 3,35 mm</p>
5	Apparatus of Sieve Analysis of Sand and Gravel	<p>Seive Shaker Mortor Operated</p> <p>Sieves dia. 200mm(8")</p> <p>(Sieves 20 Nos with Pan and Cover)</p> <p>Opening 37.5 mm, 25.0mm, 19.0 mm, 12.5mm, 9.500 mm, 6.30mm, 4.750 mm, 3.350 mm, 2.360 mm, 2.00mm, 1.180 mm, 0.850 mm, 0.60mm, 0.425mm, 0.300 mm, 0.25mm, 0.150 mm, 0.106mm, 0.075 mm.</p> <p>Lid for Sieves dia. 200 mm</p> <p>Receiver for Sieves dia. 200 mm</p> <p>Provided of timer 0 - 60 minutes.</p> <p>Power supply: 230V , single phase, 50Hz 110W</p>
6	Soundness Test of Cement	Le-Chatlier's Soundness Test Kit(complete Set) with Le-Chatlier's Mould and Le-Chatlier's Water Bath
7	Tensile Test of Portland Cement	<p>Complete Set and Complete Accessories</p> <p>'Cement tensile test including Tensile Briquette mold for Cement Motor</p> <p>'Max. capacity : 10KN(tensile) and 50KN(compression)</p> <p>Force measuring range : 1%-100%FS0.1KN-10KN)</p>





## 6.Civil Engineering Test Equipment

SR No.	Description	Specification
1	2	3
8	Rebound Hammer	('Test range 20-110 Mpa Impact energy - 4.5 J Impact stroke -100mm Tensile Spring Rigidity-900N/m Calibration value for test anvil 88+_2 Dimension-430*D64mm Weight-3KG)
9	Automatics Level (with accessories )	Complete Set: Telescope Length 215 mm,Stadia 0-100 Magnification 32x/Objective Aperture 42mm Resolving Power 3",Field of View 1°20' Including Tripod, Bar code Staff, Survey Hammer, 100ft Measuring Tape, Plumb Bob.
10	Slump Test	Slump Cone“galvanized steel” '(4" diameter,8" diameter,12" Height) '-5/8" diameter,24" long tamping rod galvanized steel, 'with rounded ruler Stainless steel rule, 300 mm long '-Base Plate galvanized steel '-Aluminium scoop, 500 cc capacity and Fine wire brush
11	Universal Tensile Test Machine	Capacity-50KN,Test Speed Range-0.01mm-500mm/min Main Frame Type-Double Column Tension Space-600mm Compression Space-700mm

## 6.Civil Engineering Test Equipment



SR NO.	Description	Specification
1	2	3
12	Compression Testing Machine	Display value accuracy: level 1 Minimum resolution: 0.1kN Maximum distance between bearing plates: 320mm Motor power: 0.75KW Compression testing machine 1500 kN capacity Motorized with Servo-Plus (fully automatic model) to test cubes up to 200 mm side and cylinders up to 280 mm height Including Accessories Cube Mold(6 Gang) (150mmx150mmx150mm) Cylinder Mold(4 Gang)(100mm(D)x200mm(H))
13	SURFACE PLANER (ရွေပေါ်စက်)	<ul style="list-style-type: none"> <li>- 3 Phase A/C Motor 4.0kW</li> <li>- Silent Power Sprial Cutter Block</li> <li>- Max. Depth of Cut 4mm</li> <li>- Surface Planing Width 410mm</li> <li>- Surface Planer Table Length 1800mm</li> <li>- 50 Hz Motor Frequency                             <ul style="list-style-type: none"> <li>- Planer Fence Tilttable from 90° to 45°</li> </ul> </li> <li>- Working Height 850mm</li> <li>- Length of Surface Planer Fence in 150x1100mm</li> </ul>
14	Dust Extractor (လွှာစုတ်စက်)	<ul style="list-style-type: none"> <li>- Airflow capacity 3100m<sup>3</sup>/h</li> <li>- Double bag system with 2x200 litre = 400 litres</li> <li>- Extration connection Ø 120 mm and Ø 80mm</li> <li>- Maximum negative pressure 2510 Pa</li> </ul>

## 6.Civil Engineering Test Equipment



SR NO	Description	Specification
1	2	3
15	Band Saw (Complete Set)	<ul style="list-style-type: none"> <li>- 3 Phase A/C Motor 2.5kW</li> <li>- Cutting Width 420mm</li> <li>- Cutting Height 310mm</li> <li>- Mitre Fence</li> <li>- 50 Hz Motor Frequency</li> <li>- Cutting Speed 20m/sec</li> <li>- Flywheel-Ø 440mm</li> <li>- Fly-wheel Speed 850rpm</li> <li>- Table Size 420x575mm</li> <li>- Blade Length 3976mm</li> <li>- Blade Width 6-25mm</li> </ul>
16	Bar bending machine	<p>(Automation: Automatic)</p> <p>Diameter of Working Disc 400mm</p> <p>thread bar 6-36mm    round bar 6-40mm</p> <p>thread bar 6-22mm    round bar 6-25mm</p> <p>thread bar 10-40mm    round bar 6-50mm</p> <p>Working Speed 5-10r/min</p> <p>Motor Power 4kw/ 5.5Hp (50 Hz, Auto)</p>



**6.Civil Engineering Test Equipment**

SR NO.	Description	Specification
1	2	3
17	Circular Saw (with accessories)	<ul style="list-style-type: none"> <li>- 3 Phase A/C Motor 3.0kW</li> <li>- Max. Cutting Height 103mm</li> <li>- Saw Blade Diameter 250-315mm</li> <li>- 50 Hz Motor Frequency</li> <li>- Saw Blade Tilttable from 90° to 45°</li> <li>- Sliding Table 1250mm</li> <li>- Cutting Length 1300mm</li> <li>- Rip Fence 0-800mm</li> <li>- Cross Cut Fence 900mm (free upgrade to 1300mm)</li> <li>- Working Height 888mm</li> <li>- Rip Fence Winner with Large Round Guiding Bar</li> <li>- Outrigger Table</li> <li>- Mechanical Scoring Unit (Blade Diameter 80mm)</li> </ul>
18	HORIZONTAL MORTISER (စရွေးဖောက်စက်)	<ul style="list-style-type: none"> <li>- Mortor Power 3.0 HP (2.2 kW)</li> <li>- Mortising Length 250mm</li> <li>- Mortising Depth 160mm</li> <li>-Mortising motor with roller bearings</li> <li>- Comfortable one handed lever operation</li> <li>-Heavy duty eccentric clamp, usable on the left and right hand side</li> <li>- End stop with reference grid for -45°,- 90°,0,+45°,90° on the drilling machine table- A large cast iron table, extendable in all three directions by 1000mm</li> <li>-Speed 3000rpm -High adjustment 130mm</li> <li>-Mortising chuck,suitable for left and right hand cut bits,clamping range0-20mm</li> </ul>



### 6.Civil Engineering Test Equipment

	SR NO.	Description	Specification
1		2	3
	19	Digital Theodolite	Complete Set: Telescope Length 152 mm, Objective lens 45 mm Magnification 30x power, Angle measuring accuracy-5" Angle display-1"/5" Angle unit-360°/400G Compensation range- ±3'
	20	Total Station (Complete set) with Accessories	Telescope Length:150mm Magnification : 30x Minium Focus : 1.3 meter/4.29 ft Distance Measurement Single Prism : 3000 m(9900 ft) Accuracy : + (2mm + 2 ppm xD)m.s,e Mininum Reading : 1" / 5" 'Minimum Focus-1.0 m 'Laser Class-Laser Pointer: Class 2 'Mini Prism-1.5m ~ 2500 (3000)m
	21	Wood Turning Lathe machine	(Voltage-220V) Power-1750W Variable Speed- 0-3200RPM Distance Between Centers-42" (1066mm) Swing Over Bed-16" (406mm) Tool Rest-14" (355mm) Face Plate-6" (152mm) Spindle-MT2 Thread Diameter-M33X3.5mm Swivle Degree-0°, 45°, 90°, 135°, 180° N.W./G.W.-151KG/180KG)



**7.Civil (Hydraulic Engineering )Lab Equipment**

SR. NO.	Description	Specification
1	2	3
1	Flow Channel, Section: 300 mm and 7.5 m Length	Experimental section-possible lengths: 5m-7.5m flow cross-section WxH: 309x450mm inclination adjustment: -0,5...+2,5% 2 tanks, made of GRP, 1100L each Pump power consumption: 4,75kW max. flow rate: 132m3/h,max. head: 16.1m speed: 1450min-1 Measuring ranges-flow rate: 5.4...130m3/h 400V, 50Hz, 3 phases, UL/CSA optional Dimensions and weight-LxWxH: 9170x1000x2100mm (experim. section 5m) Required for operation-PC with Windows
2	Pitot tube and manometer board	Pitot tube for measuring pressure in a flowing fluid accessory for the wind tunnel Pitot tube made of brass the following units can be used for pressure indication: inclined tube manometer included in, differential pressure manometer, electronic pressure measurement or system for data acquisition <u>Technical data</u> Pitot tube effective length: 396mm bend radius: 15mm small limb: 47mm inner diameter: $\varnothing=3,1\text{mm}$ outer diameter: $\varnothing=4\text{mm}$

**7.Civil (Hydraulic Engineering )Lab Equipment**



SR NO.	Description	Specification
1	2	3
3	Level gauges for measurement of the water height (hook 12.300,35 and point gauges)	device for measuring discharge depths in the experimental flume measurement either with probe tip or hook vertically travelling probe tip or hook scale to indicate the discharge depth use of corrosion resistant materials <u>Technical data</u> Scale measuring range: 0...300mm graduation: 1mm Max. travel: 300mm Dimensimeasuring range: 0...300mm graduation: 1mm Max. travel: 300mm
4	Broad and thin crested weirs	broad-crested weir for the experimental flume weir with sharp edges 2 additional elements for rounded edges hollow weir body with sealing lips <u>Technical data</u> Weir body material: PVC
5	Vertical flat gate and radial gate	radial gate for the experimental flume radial gate with lateral sealing lips height adjustment using lever <u>Technical data</u> Gate weir plate made of stainless steel, width: 304mm radius of the segment: 450mm



**7.Civil (Hydraulic Engineering )Lab Equipment**

SR. NO.	Description	Specification
1	2	3
6	Syphon spillway	siphon weir for the experimental flume weir body made of PMMA valve for venting the siphon weir weir body with sealing lips <u>Technical data</u> Siphon weir material: PMMA discharge flow cross-section, WxH: 284x60mm
7	Dam spillway and flow splitters	[1] Flow splitters for installing in the Modular Flow Channel [2] Experimental set-up made of PVC, lxwxh 330x160x315mm [3] sets of flow splitters: pointed, rounded, flat, lxwxh 100x30x300mm <u>Technical Data</u> Pointed flow splitter Included angle: 41 Rounded flow splitter Radius: 15mm
8	Culvert fitting	culvert for experimental flume 2 transparent channel bodies made from PMMA hollow channel body fitted with a rectangular cross-section hollow channel body, fitted with a circular cross-section both channel bodies with sealing lips <u>Technical data</u> Culvert cross-sections circular, inner diameter: 44mm rectangular, WxH: 39x39mm





**7.Civil (Hydraulic Engineering )Lab Equipment**

SR. NO.	Description	Specification
1	2	3
9	Crump Weir	Crump weir for the experimental flume weir body contour according to E. S. Crump weir body with sealing lips <u>Technical data</u> Weir body made of PVC inclination (upstream): 1:2 inclination (downstream): 1:5
10	Venturi flume	venturi flume for the experimental flume venturi flume consisting of 1 base plate, 2 side elements, 1 clamping device side elements with sealing lips <u>Technical data</u> Venturi flume LxWxH: 1200x404x500mm narrowest cross-section, WxH: 202x480mm Side element LxWxH: 1006x101x480mm material: PMMA
11	Air regulated syphon	siphon weir for the experimental flume weir body made of PMMA valve for venting the siphon weir weir body with sealing lips <u>Technical data</u> Siphon weir material: PMMA discharge flow cross-section WxH: 72x35mm



**7.Civil (Hydraulic Engineering )Lab Equipment**

SR. NO.	Description	Specification
1	2	3
12	False floor section	sill for experimental flume sill with sealing lips <u>Technical data</u> Inclination of inlet/outlet element: approx. 15° Material: PVC
13	Artificial roughened bed	flume bottom for the experimental flume flume bottom with pebble stones consisting of two elements <u>Technical data</u> Flume bottom LxWxH: 2500x84x60mm
14	Venturi tube, with pressure transducers, converter and 123.028,15 differential pressure digital indicator for input flow measurement	Venturi tube for investigating the continuity equation and Bernoulli's principle six pressure measurement points along the measuring section for measuring the static pressure accessory for experimental plant <u>Technical data</u> Venturi tube-inner diameter: 84,6...59mm 6 pressure measuring points
15	Adjustable undershot weir	sluice gate for the experimental flume sluice gate with lateral sealing lips manual height adjustment scale to read the height of the gate opening <u>Technical data</u> Gate-weir plate made of PVC head adjustment: 0...120mm



**7.Civil (Hydraulic Engineering )Lab Equipment**

SR NO.	Description	Specification
1	2	3
16	Wave generator	<p>The Wave Generator accessory enables to generate waves with a displacement plate that develops a rotating motion. The plate is made of PVC and is driven by an electric motor with variable frequency drive. It enables the user to vary the frequency and amplitude of the waves.</p> <p>It is located on a frame made of aluminum profiles that enables to place it in any part of the channel.</p> <p>Wave generator for the experimental flume</p> <p>Technical data Motor-power output: 0,55kW            speed: 1375min-1,output speed: 0...110min-1            Crank mechanism-stroke: 60...200mm            frequency: 0,18...1,83Hz            400V, 50Hz, 3 phases/400V, 60Hz, 3 phases            230V, 60Hz, 3 phases/ UL/CSA optional</p>



### 8.Farm Machinery

SR. NO	Description	Specification
1	2	3
1	Lift Crane	3 Tons, Heavy Duty Hydraulic
2	Power Tiller (gearbox cut section)	(22HP), Rotary cultivator, Disc Plough, Mouldboard plough
3	Rice Transplanter	Engine Power - 2.6/3000 (kw/rpm) Working lines - 4 lines Working speed - 0.34-0.77 (m/s)
4	Seeder for Cultivation and Fertilizer	3 Row with Complete Set
5	Teaching Model of Hydraulic System (50 HP)	For (50 HP) Tractor (Complete Set): (1) Max Lifting Capacity : 9.2 kN, (2) Tillage Depth Adjustment : Draft Adjustable, Position Adjustable., (3) Active Pressure Lubrication prolongs the service life and reduces maintenance costs.
6	Tractor (50 Hp)	Steering-Power Steering Fuel Tank-48 Liters Engine Type-Diesel, Direct Injection Engine(DI), 4Cylinders, Inter cool system Drive system-Four Wheel Drive(4WD) Mouldboard plough - 4 disc plough



### 9.Training For Electric Vehicle

SR NO.	Description	Specification
1	2	3
1	Industrial Multimeter	Power Source: Battery Powered AC/DC: 1000 V Style: Adjustable, Unique, Magnetic Colour: Industrial True RMS Multimeter Type: Digital
2	Insulation Multimeter	Power Source: Corded Electric Insulation range : 0.01 MΩ to 2 GΩ Insulation test voltage: 50, 100, 250, 500, 1000 V Type: Digital
3	Workshop Tool Trolley Set with insulated for Electric Vehicle Maintenance	Number of Pieces - 110 Storage Type - Trolley VDE/1000V Approved
4	Insulated Tools Set (11 PCS)	-8" VDE insulated plier -6" VDE insulated long nose plier -6" VDE insulated wire cutter and etc.....
5	Insulated offset end wrench set (15 PCS)	(8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm)
6	VDE Insulated 3/8" Drive Socket & Hex Key Wrench Set (26 PCS)	-10mm VDE Insulated Drive Socket (3/8" x 125mm), (3/8" x 250mm) , (3/8" x 200mm) and etc.....
7	Insulated Torque wrench	(TORQUE WRENCH WITH PROTECTIVE INSULATION 1000V), Torque: 20 to 100Nm
8	Electric service Rubber Gloves	Made for 11" Rubber Insulated Gloves. Manufactured from top grain goat skin. Provide excellent protection for rubber insulating gloves. All Salisbury Leather protectors meet ASTM F696 standards. Length: 10"
9	Leather protectors Glove	- Length: 10", meet ASTM F696 standards
10	EV Battery Lift	(Capacity: 1 ton)



### 9.Training For Electric Vehicle

SR NO	Description	Specification
1	2	3
11	Insulated Rescue Hooks	(6ft, 1000V)
12	New Energy (Battery Energy Vehicle) Whole System Troubleshooting and Testing Platform	Equipment Function: Examination System Fault Setting System Structural Principles Fault Diagnosis Data Maintenance Panel Measuring Test Instrument Operation and Software Analysis Energy Type: Pure electric Electric motor: Pure electric 136hp Pure electric range (km): 421 km Charging time: Fast charge 0.5 hrs, Slow charge 16 hrs Max. torque (N-m): 180 Max. speed (km/h): 130 Total motor power (kW): 100 Electricity consumption per 100km (kWh/100km): 12.9 Battery type: Ternary lithium battery Battery capacity(kWh): 53.1 kWh Related Equipment & Complete Accessories 7kw AC Charger System iSmartEV P03 New Energy Vehicle Integrated Detector 2 Post Lift (4tons, 2.2kW)
13	New Energy (HEV) Whole System Troubleshooting and Testing Platform	Whole Vehicle Platform (IMA - Hybrid) Energy Flow Demonstration and HEV Components Table Engine: 1.3 L (gasoline hybrid) Electric motor: DC brushless motor Battery Type: Nickel Metal Hydride (Ni-MH) Battery Electric Motor output (V): 100.8V Power Output: 10kW at 1500 rpm Related Equipment & Complete Accessories



### 9. Training For Electric Vehicle

SR No.	Description	Specification
1	2	3
14	EV Traction Battery Pack Loading and Testing Training Platform	Power battery PACK assembly and training bench Intelligent interactive system Composed of lithium iron phosphate(LiFePO4)(20AH minimum) Vehicle-level distributed battery management system. AC charging gun Simulated load system High-voltage distribution box module Distributed battery management system module
15	New Energy Pure Electric Powertrain Disassembly and Assembly Training Platform	Permanent magnet synchronous motor with peak power 120kW and Torque 250Nm Able to disassemble and assemble from different angles



**10.Refrigeration & Air conditioning Test Equipment**

SR. ★ NO.	Description	Specification
1	2	3
1	Airconditioner	(1Hp Split Type, Inverter/ R410a)
2	Airconditioner	(2Hp Split Type, Inverter/ R410a)
3	Airconditioner	(1.5Hp Split Type, Cold & Hot Inverter/ R410a)
4	Airconditioner	(3Hp Floor Standing Type Non-Inverter/R410a)
5	Refrigerator	(1 door, 92 L, 33" , R600a)
6	Vacuum pump	(လေမှုတ်/လေစုပ်)Free Air Displacement-1.5 CFM / Ultimate Vacuum- 5Pa Voltage-220~50/60Hz / Power-1/4HP
7	Water Cooler	(Cold & Hot)Voltage-220V/R-134a





### 11. Textile Equipment

SR NO.	Description	Specification
1	2	3
1	2-Needle machine	Application-Light-weight material, Medium-weight material, Jeans and heavy-weight materials, Foundation,Max.Sewing speed-3000sti/min,Max.Stitch length-5 mm, F type: 4mm,Needle-A: DPx5 #9 (#9-16), F: DPx5 #10 (#9-16),Presser foot-By hand: 7mm, By knee: 13mm,Needle gauge-3.2-34.9 mm (1/8"-1-3/8")
2	Bartack machine	Lubrication Semi-dry head (Hook: minute-quantity lubrication),Max. sewing speed 3,200sti/min (at the time of delivery: 2,700sti/min)*,Sewing area 30mm (L) × 40mm (W),Stitch length 0.1~10mm (0.1mm step),Needle bar stroke 41.2mm,Lift of the work clamp foot Standard 13mm (17mm when the reverse-rotation needle-up function),Auto-lifter - Provided as standard (stepping motor type),Needle thread tension- Spring type dial thread tension controller,Needle- (at the time of delivery) DP × 5 (#14),Hook- Standard shuttle hook,Number of stitches that can be stored in memory - Max. 20,000 stitches,Number of standard patterns - 51 patterns,Number of data that can be input- 200 patterns,Enlarging / Reducing facility -20~200% (1% step), Pattern enlargement / reduction can be done by increasing / decreasing the stitch length,Memory medium - Internal-organs memory, Bobbin thread counter - Provided as standard (up / down method),Lubricating oil,Sewing machine motor- Compact AC servomotor (direct-drive system) ,Power supply / Power consumption- Single-phase 200~240V / 250VA,Weight - Machine head (include motor) 42kg, Control box 5.1kg



### 11. Textile Equipment

SR NO.	Description	Specification
1	2	3
3	Button attach machine	Voltage 220 V ,Máx. sewing speed: 2.700 sti/min Stitch length: 0.1~10mm Máx. Lift of the work clamp foot: 13mm Needle: 135x17 Number of patterns: 50 Number of data that can be input: 200
4	Button Hole machine	lubrication semi dry head(hook ;minute- quantity lubrication) , Max. sewing speed - 4200 spm(at the time of delivery ; 3600 spm, size of cloth cutting kinfe - 6.4 - 31.8 mm (1/4"- 1- 1/4" ) , buttomhole length Max. 41mm , Needle thread tension - Active tension ( solenoid) ,Needle (at the time of delivery - DPx5 (#11J) #11J - # 14, Lift of the work clamp - 14mm(17mm when the reverse - rotation needle - up function is used), Auto - lifter - provided as standard ( stepping motor type), Number of std patterns - 31 patterns, Number of patterns that can be input - Max. 99 patterns , Machine head drive system - compact AC servomotor ( direct - drive system), Power requirement / power consumption - single phase - 200 -240V/370VA, Weight - machine head ( include motor ) 55kg , Control box 5.5kg
5	Cover stitch machine	2-Needle top and Bottom Covering Stitch, Lift of the presser foot - 5mm (with top and bottom covering stitch),8mm (with bottom covering stitch ) , Power requirement - 200-240 V (with automatic thread trimmer),Power consumption - 500 VA , Max Sewing Speed 5,000sti/min Maximum stitch length 1.2-3.6mm Needle UY128GAS (#10S) #9S-#12S Needle Gauge Millimetre 4.0,5.6,6.4mm
6	Cuting Knife machine	Power : 220 Volt, Blade Size : 8 Inches, Speed : 1,500 RPM Low Speed / 3000 RPM High Speed



### 11. Textile Equipment

SR. NO.	Description	Specification
1	2	3
7	Overlock 4-threads machine	2-needle overlock, Stitch style in the USA -514 , Overedging width - 3.0,4.0 mm , Needle bar Stoke - 24.5mm ,Max presser foot presser -63.7 N ( 6.5 kgf, Weight of the machine head -27kg) , Maximum Sewing Speed : 7000 spm No. of Stitch Patterns : N/A Max. Stitch Length : 4mm Max. Zig Zag Width : N/A No. of Buttonholes : N/A Needle gauge: 2mm (std) Presser Foot Lift : 7mm by foot pedal Adjustable Foot Pressure Needle Type : B27 industrial type
8	Single needle sewing machine	Standard type, Medium-weight, Semi-dry, Max. sewing speed-5000 sti/mìn,Max. Stitch length-5 mm, Lubricating oil - machine oil 7, Needle - DBx1(#11) #9 to 18(134Nm65-110),Power consumption - 330VA( Main motor output 550W)
9	Interlock 5-threads machine	Maximum Sewing Speed : 7000 spm No. of Stitch Patterns : N/A Max. Stitch Length : 4mm Max. Zig Zag Width : N/A No. of Buttonholes : N/A Needle gauge: 2mm (std) Presser Foot Lift : 7mm by foot pedal Adjustable Foot Pressure : Yes Needle Type : B27 industrial type Stitch Length : 0.6-3.8(4.5)mm Needle Bar Stroke : 24.5mm(60H:27.0mm), Needle : DC 27



**12.Pure Electric Vehicle Integrated Training**

SR NO	Description	Specification
★ 1	2	3
	<p><b>Pure Electric Vehicle Integrated Training သင်တန်းအတွက် သင်ထောက်ကူပစ္စည်းများ</b></p> <p>(1) Electric Vehicle Integrated Training System (2Unit)  သင်ကြားမည့် Module များ-</p> <p>(a) Battery management system module</p>	<p>Product composition:</p> <ul style="list-style-type: none"> <li>1 - Battery pack</li> <li>2 - Battery management ECU</li> <li>3 - High voltage connection line</li> <li>4 - Low voltage connection line</li> <li>5 - Color Circuit Schematic Panel</li> <li>6 - Intelligent assessment fault setting module - GTEE - 1</li> <li>7 - Training bench - Square tube size 50x50x2.0 - 1</li> <li>8 - Swivel caster with brake Diameter 75mm, width 35mm - 8</li> </ul> <p>Power supply: Single phase,AC220V/50Hz;  Working temperature: -40 ° C ~ +50 ° C.</p>
	<p>(b) Motor drive system module</p>	<p>Product composition:</p> <ul style="list-style-type: none"> <li>1 - Drive motor with transmission</li> <li>2 - Drive half shaft</li> <li>3 - Brake cylinder</li> <li>4 - Brake pipe</li> <li>5 - Brake claw assembly</li> <li>6 - Brake pedal</li> <li>7 - Brake vacuum pump</li> <li>8 - Brake booster drum</li> <li>9 - ABS master cylinder</li> <li>10 - Cooling water tank and fan</li> <li>11 - High voltage connection line</li> <li>12 - Instrument assembly</li> <li>13 - Gear lever</li> <li>14 - One-button start</li> <li>15 - OBD diagnostic seat</li> <li>16 - Low voltage connection line</li> <li>17 - Color Circuit Schematic Panel</li> <li>18 - Intelligent assessment fault setting module - GTEE - 1</li> <li>19 - Training bench - Square tube size 50x50x2.0 - 1</li> <li>20 - Swivel caster with brake - Diameter 75mm, width 35mm - 8</li> </ul>

12.Pure Electric Vehicle Integrated Training

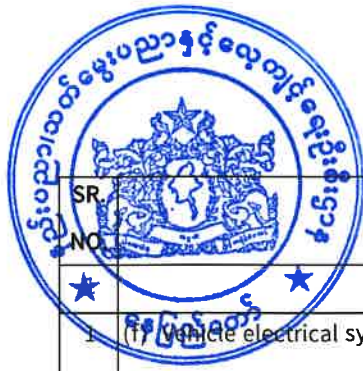


SR NO	Description	Specification
1	2	3
	(c) Control system module	Product composition: 1 - Four-in-one inverter 2 - Charging port 3 - High voltage connection line 4 - Low voltage connection line 5 - High Voltage Relay 6 - Color Circuit Schematic Panel 7 - Intelligent assessment fault setting module - GTEE - 1 8 - Training bench - Square tube size 50x50x2.0 - 1 9 - Swivel caster with brake - Diameter 75mm, width 35mm - 8
	(d) Air conditioning system module	Product composition: 1 - Evaporation box assembly 2 - Air conditioning pipe 3 - Condenser 4 - Cooling fan 5 - Compressor 6 - Pressure Sensor 7 - Heater 8 - Circulating pump 9 - Air conditioning control panel 10 - High voltage connection line 11 - Low voltage connection line 12 - Color Circuit Schematic Panel 13 - Intelligent assessment fault setting module - GTEE - 1 14- Training bench - Square tube size 50x50x2.0 - 1 15 - Swivel caster with brake - Diameter 75mm, width 35mm - 8

12.Pure Electric Vehicle Integrated Training



SR. NO.	Description	Specification
1	2	3
	(e) Power steering system module	Product composition: 1 - Steering wheel 2 - Steering column 3 - Steering machine 4 - Front axle 5 - Tire 6 - Brake claw assembly 7 - Steering sensor 8 - Steering motor 9 - Low voltage connection line 10 - Color Circuit Schematic Panel 11 - Intelligent assessment fault setting module - GTEE - 1 12 - Training bench - Square tube size 40×40×2.0 - 1 13 - Swivel caster with brake - Diameter 75mm, width 35mm - 8
	(f) Vehicle electrical system module	Product composition: 1 - Anatomical car body 2 - Left headlight 3 - Right headlight 4 - Left fog light 5 - Right fog light 6 - Left rear tail light 7 - Right rear tail light 8 - Combination Switch 9 - Left front door 10 - Right front door 11 - Left rear door 12 - Right rear door 13 - Door lock motor 14 - Window motor 15 - Window switch



**12.Pure Electric Vehicle Integrated Training**

SR. NO.	Description	Specification
★ 2		3
1	(1) Vehicle electrical system module	16 - Low voltage connection line 17 - Low voltage battery 18 - Fuse box 19 - Body computer 20 - Wiper motor 21 - Wiper water jet motor 22 - Test bench 23 - Intelligent assessment fault setting module - GTEE - 1 24 - Training bench - Square tube size 40×40×2.0 - 1 25 - Swivel caster with brake - Diameter 75mm, width 35mm - 8 Size: Training car: BYD E5: 4680×1765×1500mm BEIQI EV160: 4025×1720×1503mm Training bench: 1800×700×1800mm
	(2) Viewsonic IFP Interactive Touch Screen(Display (4Nos)	Screen Size : 75" 4K Interactive Display Resolution : 3840 X 2160 Contrast Ratio : 5000:1(DCR) / Response Time: 8ms Toch point : 20 Points, 10 points writing Input : HDMI x 2 VGA/RGB , Display port , Audio, RS232 LAN (RJ 45) , USB, Backlight Life (Hours):30,000, Android based system,OS:Android 8.0, Memory:3 GB, Storage:32 GB, Internal Speakers:10W (x2), Subwoofer: 15W (x1)
	(3) Training Table and Chair for Student (40 Sets)	Table Dimensions: 24" L x 16" W x 30" H Chair Dimensions: 20" L x 20" W x 33.5" H
	(4) Training Table and Chair for Teacher (4 Sets)	TableSize : W 4' x D 2'4" x H 2'6" & Chair
	(5) Tools CHEST SET, Safety Wear and Trolley Cabinet (2 Sets)	344 PCS Tools Chest Sets

**12.Pure Electric Vehicle Integrated Training**



SR. NO.	Description	Specification
1	2	3
	(6) 15.1 inch EV P03 New Energy Vehicle Integrated Detector (2 Nos)	Display Size : 10.1inches(1920x1200) CPU : 2.0GHz Octa-core Memory :8 GB Storage : 256 GB System :Android10 Wi-Fi : 2.4GHz/5GHz Camera Front :13.0 MP Battery : 3.7V/18720mAh Interface : Type A、 Type C Communication : Wi-Fi、 BT、 USB Product size :440x120x298mm
	(7) Inverter(24V,3000W) and Battery(24V,250Ah)(2 Nos)	(24V, 3000W) Inverter and Battery(24V, 250Ah)
	(8) Clarke CS4600BO Shelving (Silver) (2 Nos)	Size : W 4' x D 1'4" x H 6'
	(9) 7kw AC Charger System (2 Nos)	Product Type = 7KW AC Charger Dimension (H*W*D)(mm) = RSAC220-7KW Display Mode = 315 * 200*92.5 Input Voltage= LED Display Output Power (KW) = 220VAC, 1 phase + N+PE Input Frequency (HZ) = 7 Output Voltage = 45~55Hz Max. Output Current (A) = 220VAC Length of Charging Gun (m) = 32 Electric Leakage Protection (mA) = 5 Human-machine Display = 30 Charging Operation = 4.3" Color Screen
	(10) 60kw DC Charger System (Dual Gun) (2 Nos)	AC input voltage V Three pahse380:323~437 2 AC power frequency Hz 50±1 3 Input power factor ≥0.98 4 DC voltage adjustment range V 300-700V 5 Voltage accuracy % No more than ±0.5 6 Current accuracy ≥30A:no more than±1% <30A:no more than±0.3A 7 Voltage regulation accuracy % no more than±0.5% 8 Steady flow accuracy % no more than±1% 9 Ripple coefficient % Valid value:no more than±0.5 Peak:no more than±1
	(11) EV Insulated Tools Kit (2 Nos)	Plastic case size (mm): 456 x 372 x 155 (0.93 cuft)



**12.Pure Electric Vehicle Integrated Training**



SR. NO	Description	Specification
	2	3
	(12) EV Lifter with a lifting capability of 2000kg (2 Nos)	Product Code: Ev Battery Lift Safety Features: 1. Easily transfer Without Installation 2. Elevates from 1100 -1800mm 3. The lift table is in either Pneumatic or Electric models 4. Angle adjustable table is built to meet with the battery bottom seamless 5. The lift table also features high-quality components assembly for Fast & Precise lifting
	(13) Related Equipment & Accessories	(a) Nissan Leaf (ZE0) (30kWh) High Voltage Component Set (DC-DC Junction/Inverter/Motor/On Board Charger/HV Cable Set/Battery Pack/Vehicle Control Unit) (1 Unit) (b) Nissan Leaf ZE1(30kWh): Nissan Leaf ZE1 High Voltage Component Set (DC-DC Junction/Inverter/Motor/On Board Charger/HV Cable Set/Battery Pack/Vehicle Control Unit)(1 Unit) (c) Two Post Lift (1 Unit) Lifting Capacity - 4.5 Ton, 3 phase motor (d) Micro Ohm Meter UT620A (4 Wire) (10Nos) (e) BOSCH MM0540H Hybrid Multimeter CAT III (1000V)/20Amp Current (10Nos) (f) BOSCH.FSA050 CAT IV, CAT III Insulation Tester (10Nos) (g) Digital Multi-Meter CAT III 1000V DC (10 Nos) (h) Analog Multi-Meter CAT III 1000V DC (10 Nos) (i) Clamp Meter CAT III 400A DC (10 Nos) (j) Circuit Breaker: RCD (Residual Current Device) Type-B 30mA/ AB (6mA) (5Nos) (k) Insulation Glove. Class 0 (1000V) (30 Nos) (l) Check Plug (5 Nos) (m) Electric Motor(1 No) and Battery(1 No) Electric Motor- Single Permanent-magnet Electric motor 160 kW (210 hp) Battery - 65 Ah lithium iron phosphate battery (LiFePO4) Manufacturer - BYD

**12.Pure Electric Vehicle Integrated Training**



SR. NO.	Description	Specification
2	2	3
	<b>Solar Charging Unit For Electric Vehicle (Off-Grid 10 kWp + Hybrid 30 kWp)</b>	
	(1) Solar PV (550W JINKO PV Module) (88 Panels)	Type: P Type Mono-facial PV Modules
	(2) Inverter (5KTL-L1 (Single Phase for Off-Grid System)) (2 Nos)	(Off-grid): SUN2000-5KTL-L1 (2 units)
	(3) Inverter (10KTL-M1 (3 Phase for Hybrid System)) (3 Nos)	(Hybrid): SUN2000-10KTL-M1 (3 units)
	(4) Power Module(BMS (Battery Management System)) (2 Pcs)	LUNA2000-5kW-C0 Power Module, max support 3 units battery, max 2 systems in parallel operation. Noise emission <29dB, IP66
	(5) Battery Module (5kW (for Off-Grid System)) (2 Pcs)	Capacity: 5kW Usable Energy: 5kWh Operation Voltage Range: 350-560V Dimension: 670*150*360 mm (per piece) Weight: 50kg (per piece)
	(6) Battery Module (5kW (for Hybrid-System)) (2 Pcs)	Capacity: 5kW Usable Energy: 5kWh Operation Voltage Range: 350-560V
	(7) EV Charger (AC Type 2 Charger, Single Phase, 7kW ) (1 No)	Plug Type: AC charger Type 2 (single output) Capacity: Single Phase 7kW
	(8) EV Charger(AC Type 2 Charger,3 Phase,22kW)(1 No)	Plug Type: AC charger Type 2 (single output) Capacity: 3 Phase 22kW
	(9) MC4 Connector (String Connector Between Solar Panels) (12 Sets)	
	(10) Solar Cable (DC CABLE (Black & Red)) (140 Meter)	Type: Photovoltaic PV Cable Type H1Z2Z2-K wire diameter can resist the current of the total system according to design.
	(11) AC Breaker (3 Phase 63A Circuit Breaker) (2 Pcs)	(3 Phase 63A Circuit Breaker)
	(12) AC Cables (140 Meter)	wire diameter can resist the current of the total system according to design.
	(13) Panel Box (1 Pcs)	
	(14) Solar Stand Structure And Commissioning And Earthing (FOR 10 CARS (APPROX. 31 METER X 6.5 METER))	(FOR 10 CARS (APPROX. 31 METER X 6.5 METER))



### 13.OFFICE Equipment

SR NO	Description	Specification
1	2	3
1	UPS	(650 VA)
2	UPS	(1200VA)
3	Generator	(10KVA)(ဒီဇယ်)(Sound Proof)
4	Generator	(30 KVA, ဒီဇယ်)(Sound Proof)
5	Generator	(100 KVA) With Cummins Engine(Sound Proof)
6	မြက်ရိတ်စက်(ဘေးလွယ်)	Engine Power - 1.3~2.3 Hp (7000 rpm), (4 Stoke)
7	မြက်ရိတ်စက်(လက်တွန်း)	(6.5Hp)
8	Inverter	(2000W)
9	Inverter	(1500W)
10	Water Pump	(0.75Hp)
11	Water Pump	(2Hp)
12	Compressor	(3Hp) (2 Stoke) for water pumping
13	Air Compressor	Power: 1.1kW for water pumping Speed: 1200 r/min
14	ရေမြုပ်ပန်နီ (Submersible Pump)	(2Hp) for 4 inch tube well
15	1" Jet Pump	(1Hp)
16	2" Jet Pump	(2Hp)
17	1000L/Hr Purified drinking water treatment with RO System	-Raw Water Storage Tank (1000 Liters) -Purified Water Storage Tank With Steel Water Taps (500 Liters)
18	Laser Printer (A4, Black & White)	Single Function Laser Printer 12 ppm Black & White Laser Printing A4, USB interface, 600x600 dpi
19	All in One Inkjet Color Printer	-Printing Speed (Mono)-13.0 ipm -Printing Speed (Color)-6.8 ipm -4x6" Print Speed - 37 secs -Print Resolution- 4800x1200 dpi -Duplex Printing, Borderless Printing -Scan Resolution - 1200x2400 dpi



### 13.OFFICE Equipment

SR. NO.	Description	Specification
1	2	3
20	Digital Multifunction Copier with Feeder	-52 ppm, 600x 600 dpi (Scan) -1200x 600 dpi (Print) Duplex Standard With Feeder Standard (A4, LGL, A3) 25% to 400% Zoom Network Print/ Colour Scan (Standard)
21	Projector (3700 Lumens)	- WXGA+ Resolution (1280x800 Pixels) - 15,000h in normal Operation Mode (20,000h in Eco Mode)
22	Projector Screen (96"x96") (PRO Series)	(Motoerised)
23	Projector(4200 Lumens)	- XGA 1024x768 - 5,000 Hour Normal Lamp Life - 20,000 Hour Dynamic Eco Lamp Life
24	Projector Screen (96"x96")	(Tripod)
25	Desktop Computer	Intel Core i7,10th Gen,Memory DDR4 8GB, HDD 1TB,Graphic 2 GB,Drive Lite on Stata, Moniter 21.5", Keyboard, Mouse, UPS(650VA)
26	Color Printer (Inkjet) (A3)	(A3,A4 Size, 11.3 iPM (Mono, A4), 8.8 iPM (Color,A4) USB Interface, 5 Color Individual Ink Cartridge System, Wireless LAN
27	Binding Machine	Binding Style: Click Bind Document Size: A4 Punch Capacity: 6 Sheet
28	Paper Shredder	Cutting Style: Cross Cut Shred Capacity: 13 sheets Dimension: 423x356x238mm



**13.OFFICE Equipment**

SR NO.	Description	Specification
1	2	3
29	Video & Audio Conference System	<ul style="list-style-type: none"> <li>-Conference System with Auto Tracking Video Camera</li> <li>-20 x CAT5 Digital Delegate unit</li> <li>-1 x CAT5 Digital Chairman unit</li> <li>-2 x 10 inch POE Speaker</li> <li>-HD USB 3.0 Camera</li> <li>-Full Digital Networked DSP Conference Processor</li> <li>-Full Digital Conference Extension Host</li> <li>-Hand-in-Hand-Loop-Network</li> <li>-High-Fidelity Sound Quality by Lossless Audio Technology</li> <li>-16 Segment Equalized EQ</li> <li>-Echo Cancellation</li> <li>-Remote 2-way Realtime Call</li> <li>-USB Recording</li> <li>-Advanced Noise Cancellation</li> <li>-2 Channel Andio Input</li> <li>-8 Channel Andio Output</li> <li>-3.5mm Headphone for Monitoring</li> <li>-2 x RJ45 for Digital Audio Connection</li> <li>-2 x RJ45 for Chairman, Deligate</li> <li>-1 x RJ45 for Wireless AP or Router</li> <li>-TV 55" (With Stand)</li> </ul>



**14.Furniture**

SR NO.	Description	Specification
1	2	3
1	ပုံဆွဲခန်းသုံး(စားပွဲ+ထိုင်ခုံ)	(Drawing Table with chair) 1.Tabletop Size : W900* D600*H925mm 2.Height adjustable : 760-1050mm 3.Stool: Dia 300mm, 600mm(H)
2	4 Drawer Cabinet	(Size : W463 x D620 x H1324mm)
3	Partition Table with Chair	(for 4 Persons) Partation Table 2400mm(L) x 1200mm(W) x 1200 mm(H) Side Table -4 လုံး Keyboard Drawer-4 ပြား ထိုင်ခုံ -(၄)လုံး
4	Locker (12 Holes) (ကျောင်းသား/သူများ သုံးရန်)	(W 914 x D 470 x H 1817 mm)
5	White Board (စာသင်ခန်းသုံးရန်)	(16'x4')
6	Whiteboard With Stand	(8'x4'x6')
7	စားပွဲ (စာသင်ခန်းသုံးဆရာစားပွဲ)	(4'x3'x2'6")
8	ထိုင်ခုံ (စာသင်ခန်းသုံးဆရာထိုင်ခုံ)	( 21"x23.12"x40") (Seat Height 18") ကျွန်း
9	ဖိုင်တင်စင် (open file Shelf without door)	3'x1.5'x6'
10	အစည်းအဝေးခန်းသုံးစားပွဲ	(W 1500 x D 900 x H 750 mm)
11	အစည်းအဝေးခန်းသုံးထိုင်ခုံ	
12	ရုံးသုံးဗီရို (Steel Almirah)	(W 914 x D 470 x H 1817) mm
13	အရာရှိစားပွဲ	(5'x3'x2'6")
14	အရာရှိထိုင်ခုံ	
15	အလုပ်ရုံနှင့်လက်တွေ့ခန်းသုံးထိုင်ခုံ	(Stool) (1.5'x1.5'x2')
16	အလုပ်ရုံသုံးစားပွဲ	(8'x4'x2'6")(ကျွန်း)၊ တိုင်(4")ပတ်လည်၊ ထုတ်(4-1/2")၊ ချုပ်တန်း(3")၊ အခင်း(2")ထု
17	အလုပ်ရုံသုံးပစ္စည်းတင်စင်	6'(L)x 1.5'(W) x6'(H) (သံ)(100kg )(five shelf)
18	စာကြည့်တိုက်သုံးမှန်ဗီရို	(W 914 x D 470 x H 1817)mm



**14.Furniture**

SR. NO.	Description	Specification
1	2	3
19	ရုံးသုံးမှန်ဗီရို	(W 914 x D 470 x H 1817) mm
20	Meeting Table with Chair (U Shape for 20 Persons)	Table (5'x2.6'x2.6') (10 Nos) Connect Table (4'x2.6'x2.6') (1 No) Connect Table (3'x2.6'x2.6') (2 Nos) Chair (20 Nos)
21	အလုပ်ရုံသုံးစားပွဲ	(8'x 4'X 2'.6'')Table for Science lab
22	Waiting Chair	(3 seaters)
23	ဓါတ်ခွဲခန်းသုံးစားပွဲ	(L1500 x W900 x H750 mm) Top:Compact fiber board & Metal (Epoxy Powder Coating) Base Cabinet: Ply & High Pressure Liminate
24	ဓါတ်ခွဲခန်းသုံးစားပွဲ	(L2400 x D1200 x H750 mm) Table: HDF (High Deisity Fiber Board and MFC Board)
25	လက်တွေ့ခန်းသုံးဆွဲခုံစားပွဲ	(L1450xW1600xH850 mm) Top: Compact fiber board Base:Ply + High Pressure Liminate & Wire Netbox with 6 Universal Socket
26	ဓါတ်ခွဲခန်းသုံးထိုင်ခုံ	(Ø320 x H480/580 mm) Seat: Leather Chair Base: Chromed Steel Wheels: Plastic
27	Settee	Center Table (1 No) Double Chair (1 No) Single Chair (4 Nos) Side Table (1 No)