The applications and working modules of PLCs which are hooked up with Automation Equipment for 'Mobile Skill Development Vehicle' (52390) gives an idea regarding the basics of Programmable Logic

Features

- Compact Ergonomic Design.
- User Friendly, Self Explanatory Systems.
- Training Manuals for operation ease
- Robust Construction.
- Enhanced Electrical Safety Considerations.
- Self-explanatory instruction manuals, copy of S/W are provided.
- Inbuilt Safety Measures to avoid improper usage.
- Computer Interface (Optional).
- Computerized control system trainer (Optional).

Services Required

- Electric Supply of 1φ 230 V AC

No.	Item Name	Technical Specifications
Technical Specification		
1	PLC - 2 Nos.	MAKE: Siemens S7-1200 CPU 1214C/AB Micrologix 1400/Eqvt. Digital Inputs- 12; Digital Outputs- 10 Analog input-2, Analog output-2, PC interface facility, PC-PLC interfacing cable.
2	Communication	Communication Port RS 232 / RS 485 / Ethernet
3	Power Supply	2 Nos., 24VDC, 3A/5A Power source. 4"X2"X2"
4	Directional Control valve	2 Nos., 5/2 solenoid valve, ¼" Connection
5	Proximity Inductive Sensor	4 Nos., 3 wire, 24V DC Operated, PNP NO type, Diameter: 18 mm, Sensing Distance: 5 mm

Note: Specifications are subject to change.

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Technical Specification

No.	Item Name	Technical Specifications
6	Proximity capacitive Sensor	4 Nos., 3 wire, 24V DC Operated, PNP NO type, Diameter: 18 mm, Sensing Distance: 5 mm
7	Optical Switch	4 Nos., 3 Wire, Sensing Distance: 10/15 cm, 24 VDC
8	DC motor with time belt	2 Nos., 12 / 24VDC, Speed: 0- 60rpm, Torque: 10/20kgcm
9	Push buttons + indicators + panels	2 Nos., 24V DC, Input /Output LED indication on front panel
10	Indicators	2 Nos., RPM indicator & Temperature Indicator
11	HMI and SCADA	2 Nos. each, **HMI:** Make: Mitsubishi/Schneider/Eqvt. Size: 7 Inch Color Display **SCADA:** Make: Siemens WinCC Basic SCADA/GE Proficy Ifix/Eqvt.
12	Ladder Programming Software	1 No., TIA PORTAL STEP 7 BASIC V13/V14 LICENSED/RSLogix Microstarter/Eqvt.
13	Electric Motor	1 No., 0.25 HP, Single phase 230V
14	Tachometer	1 No., Non contact type, Hand held speed measurement device
15	VFD	1 No., Make: Siemens /Eqvt; Model Name: Sinamics V20/Eqvt. ½ HP, 1500 RPM, I/P: 1φ 230 VAC, O/P: 1φ 230 VAC
16	Pump	1 No., 230VAC (Submersible Type)
17	Level Tank	1 No., 6"X6"X16" (P.P. 5 mm thick)
18	Level Switch	3 Nos., Magnetic Type, Float operated, NO Contact, 24VDC Operated
19	Double Acting Cylinders	2 No., Bore: 25 mm ´ Stroke: - 100mm, Mounting: Foot
20	Power supply for load	1 No., 24V DC 5A Power supply
21	Temperature control setup	1 No., Thyresterized card to control the temperature, Electric Kettle/furnace, Temperature Indicator
22	Air Compressor	1 No., Noiseless Air compressor, 25 Ltr., 1 HP, Single Phase, 230V AC, Working Pressure 5-6Kg/cm2.
23	Fabricated PLC panel	Dimensions- 1.5 Ft. X 1 Ft. X 1.5 Ft. MS Powder coated panel with switches, indicator, test Points, controller on front fascia, UK 2.5 Terminal Connectors mounted on DIN rail channel, Use of 0.5sq mm multi-strand wire with proper insulated Lugs, Feruling & neat wire dressing & clamping. Wires & power cables are seated through 1"×1"PVC cable tray. Can be accessible from both side doors of EECO Van.
24	Generator set	1 No., Honda 750 VA Handy Series Portable Generator Ep1000
25	Monitor	1 No., Size: 32 Inches Color LED Monitor
26	Laptop	1 No., Make: HP/Dell/Lenovo/Eqvt. Intel i3 Processor, 4 GB RAM, 500 GB Hard Disk, Keyboard & Mouse and supporting Operating system

Note: Specifications are subject to change.