

Please note that if it is found that the Centre is not having these mandatory equipment then the Centre will get REJECTED for the respective Job Roles

SSC	QP Code	Job Role Name	NSQF Level	Equipment Name	Equipment Specifications/Details	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Is this a mandatory Equipment to be available at the Training Center (Yes/No)
IASC	IAS/Q 8005	Industrial Automation Specialist	5	Laptop	Base model with OS and application software for creating word documents and spread sheets.	1	nos	Yes
				White Board	Approximately 8' wide x 4' high	1	nos	Yes
				Markers	As required	1	nos	Yes
				Projector	DLP/LCD/LED type suitable for room size of 250 sq ft. Appx. 3000 Lumens	1	nos	Yes
					Screen approximately 8'W x 6'H	1	nos	Yes
					HDMI/SVG Cable	1	meter	Yes
					Pointer	1	nos	Yes
				Printer	Monochrome Inkjet / Laser, A3 size preferable	1	nos	Yes
				Fire & Safety kit	ABC fire extinguisher, Hard hat, Boots, Gloves, Safety Vest, Smoke Mask & Respirators, Goggles, Fire Blanket	1	nos	Yes
				First Aid Kit	General Purpose	1	nos	Yes
				General purpose Tool box	Screw driver set, Allen key set, Spanner set, Plier, Nose plier, Wire cutter, Stripper, Pipe wrench, Side wrench, Hacksaw, File set, Hammer, Megger	1	nos	Yes
					Hammer Drill machine,	1	nos	Yes
					Soldering Iron, Solder, Flux,	1	nos	Yes
					Insulation Tape, Teflon tape	1	nos	Yes
				General purpose meters	3-1/2 digit DMM	1	nos	Yes
					3-1/2 digit Clipon / Tong tester	1	nos	Yes
					Megger 1000V	1	nos	Yes
					Line tester	1	nos	Yes

				Electrical accessories	Plugs, sockets, MCBs, Line Fault Detectors, Fuses, Fuse holders, Junction Boxes, Bus Bars, Terminals, Lugs, Crimping tools, Relays, Reed Relays, PTs, CTs, Starters	1	nos	Yes
				Wires, cables and accessories	Power cables of different sizes, signal cables of different types, coaxial cables, flat cables, LAN cables, Fibre cables, Ferrules, Cable tiles, Cable Glands, Cable trays, Sleeves, Cable Termination tools	1	Meters	yes
				Connectors	Common Signal Connectors, LAN connectors, BNC connectors, Fibre connectors	1	standard size	Yes
				Temperature sensor	Thermocouples (J,K,S,R)	1	nos	Yes
					RTD (Pt100, Cu53)	1	nos	Yes
				Temperature Transmitter	Thermocouple input, 4-20mA/0-10V output	1	nos	Yes
					RTD input, 4-20mA/0-10V output	1	nos	Yes
				Universal Transmitter	mV,mA,-5v,0-10V input, 4-20mA/0-10V output	1	nos	Yes
				Force and Pressure sensor	LVDT	1	nos	Yes
					Load Cell	1	nos	Yes
					Pressure Gauge	1	nos	Yes
					Pressure Transmitter	1	nos	Yes
				Flow sensor	Ultrasonic	1	nos	Yes
					Differential Pressure Bubble	1	nos	Yes
					Bubble Type	1	nos	Yes
				Position/ Velocity sensors	Optical Encoders-rotary, incremental	1	nos	Yes
					Tachogenerator	1	nos	Yes
				Limit switches	Mechanical	1	nos	Yes
				Indicator	LED, NEON, Incandescent	1	nos	Yes

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				Control Element - Valves	Gate Valve	1	no	Yes
					Rotary Motion - Butterfly valve, Ball valve	1	no s	Yes
					Linear Motion - Globe valve	1	no	Yes
					Linear Motion - Needle Valve	1	no s	Yes
					Check Valve (non-return valve)	1	no s	Yes
					Relief (Safety) Valve	1	no	Yes
				Actuator s	Electrical - Rotary	1	no	Yes
					Pneumatic - Linear	1	no	Yes
				Valve Position controlle rs	Analog positioner	1	no	Yes
					Digital positioner	1	no	Yes
					P-I converter	1	no	Yes
					I-P converter	1	no	Yes
				DC Power supply - 24V/10A		1	no s	Yes
				PLC	Minimum Configuration 16 DIN, 16 DOUT, 4AIN, 4AOUT, 4 PULSE	1	no s	Yes
					Common interfaces & Protocols - RS232C, RS485, Ethernet, MODBUS/PROFIBUS/CAN/H ART, USB, WIFI	1	no s	Yes
				HMI	7" HMI	1	no	Yes