

**Approved Procurement Plan dated.29.09.2020**

**Name of the ITI - Coimbatore**

S NO	Procurement Package No	Name of Items	Specification	Trade/ Course for which it is required	Total Qty Approved	NSQF SYLLABUS S.NO
1	1	File Flat	Shape - Flat With wooden handle Type of cut - Second cut Size - 250 mm	Fitter-40 Mc Gr-4 SMW-2	46 Nos	Fitter- 13 Mc Gr 35.A SMW- 36
2	1	File flat	Shape - Smooth with wooden handle Type of cut - Smooth Size - 250 mm	Fitter-56 Mc Gr-8 SMW-2	66 Nos	Fitter- 14 Mc Gr 29 SMW- 37
3	1	Files, Hand Flat,	Shape - Smooth ith wooden handle Type of cut - Smooth Size - 200 mm	Mc Gr	8 Nos	Mc Gr 28
4	1	File Flat Rough	Material: Steel, Color: Grey Type of cut: Rough with wooden handle Size: 300mm	Mc Gr-4	4 Nos	Mc Gr 34A
5	1	File flat , bastard	Length 200mm, width 20.5mm, thick - 4.45mm Material - High carbon steel - Bastard cut : with handle	MMV-7	7 Nos	MMV- 51
6	1	File flat , bastard	Length 300mm, width 20.5mm, thick - 4.45mm Material - High carbon steel - Bastard cut : with handle	SMW-1	1 No	SMW - 38
7	1	Files-Half round	Shape - Smooth with wooden handle Type of cut - Smooth Size - 150 mm smooth	MC Gr	8 Nos	Mc Gr 30
8	1	File half round	Shape - Half round with wooden handle Type of cut - Second cut Size - 150 mm	Fittter	64 Nos	Fitter- 15
9	1	File half round	300 mm smooth ith wooden handle	SMW	1 No	SMW-39
10	1	Files-round	Shape - Smooth with wooden handle Type of cut - Dead smooth Size - 200 mm	MC Gr	4 Nos	Mc Gr 31
11	1	Files, Triangular	Shape - Smooth with wooden handle Type of cut - Dead smooth Size - 200 mm	Mc Gr	2 Nos	Mc Gr 32
12	1	Files, Triangular	Shape - Smooth with wooden handle Type of cut - Dead smooth Size - 150 mm	Mc Gr	4 Nos	Mc Gr 33
13	1	Hacksaw frame	300 mm adjustable (Tubular) with wooden handle	SMW	1 No	SMW-40
14	1	Hammer ball peen with handle	0.5 kg Material made of heat treated forged high carbon steel or alloy steel Handle : Wood as per standard length	MMV	23 Nos	MMV- 7
15	1	Hammer Peaning with handle	300 GRAM	SMW	4 Nos	SMW-22
16	1	(Hollow) Punch hole for cutting gasket	4.7-16mm dia	R & AC	2 Nos	R&AC-66
17	1	Allen Key alloy steel	size:: 1.5 - 10mm (set Of 9), Alloy steel, materials -	Electrician	1 No	Electrician- 20
18	1	Blow lamp brass	0.5 litres, colour brass, Weight .0.9kg, Capacity 0.5litres,	Electrician	1 No	Electrician- 17
19	1	Bradawl	6mm x 100mmsize: Shaft diameter -6mmm,Length - 100m	Electrician	2 Nos	Electrician- 22
20	1	Chisel Cold	Size: 25mmx200mm Wood chisel 1inch with striking	Electrician	2 Nos	Electrician-18
21	1	Chisel cold flat	25 mm x 250 mm .	SMW	3 Nos	SMW- 33

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22	1	Chisel firmer with wooden Handle	Size: 6mm x 200mm Width - 200mm, Materials -ssteel, Type of Edge - Bewel type, HANDLE - Wooden , Cutting Edge-6mm	Electrician	2 Nos	Electrician-19
23	1	D.E spanners	3-4 , 6-8, 10-12, 13-14, 15-16, 18-19, 20-22, 24-26 ( 8 spanners) 3-4,6-8,10-12,13-14,15-16,18	MMTM	1 No	MMTM-125
24	1	Dot punch	100 mm Material - High Carbon Steel	Fitter	16 Nos	Fitter-18
25	1	Left cut snips	Length - 250 mm Length of cut - 1 1/4" Length of snip - 9 3/4" Weight -0.93 lbs	SMW	4 Nos	SMW-29
26	1	Plier side cutting	150 mm Length/6 Inch Length MBV442 - 8,1000V Insulator Capacity dia 4, OMM (Cutting capacity upto dia 4.0 mm) for work under voltage upto 1000VAC	IM	2 Nos	IM-24
27	1	Plier.Combination	150mm Drop forges chrominum vanadium steel HRC 42-48	SMW	1 No	SMW-42
28	1	Pliers long nose insulated	150mm Overall length : 150mm or Higher Jaw Capacity : 14 AWG inch Material : Drop - forged steel Handle Material : PVC Jaw Surface : SERRATED Function : Multifunction	Electrician	4 Nos	Electrician-37
29	1	Prick punch	100 mm	SMW	17 Nos	SMW-12
30	1	Raising hammer with handle	300 gram	SMW	4 Nos	SMW-60
31	1	Right cut snips	Length - 250 mm Length of cut - 1 1/4" Length of snip - 9 3/4" Weight -0.93 lbs	SMW	4 Nos	SMW-28
32	1	Screw driver	20 cm. X 9 mm. Long standard hand tool Flat-bladed tip used to turn, fasten, or loosen screws, nickle and chromium to be used - (also nickel or chromium are used to plate the steel tips of screw driver) Handle : Plastic	MMV	15 Nos	MMV-11
33	1	Screw driver set	HIGH QUALITY 8 PIECE SCREW DRIVER SET The blade is differentially hardened & tempered high torque requirement. Hardness on tip: 55 to 58 HRC. The blade tip is magnetized to lift small screw etc. The handle is made from high grade CA Plastic	MMTM	4 Nos	MMTM-26
34	1	Scriber	BODY LENGTH 3½ Inch, BLADE LENGTH 7 7/16 Inch, OVERALL LENGTH - 4 15/16 Inch, THICKNESS-6mm	Wireman	2 Nos	Wireman-48

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35	1	Scribing block universal	300MM Universal Surface Gauge .The base is made from case hardened steel,ground on bottom and at one end. The fine adjustment feature makes it possible to obtain quick and accurate settings. This adjustment is made by a knurled thumbscrew,which is locaed at the end of the rocker. The rocker runs the 2/3 the length of the base and pivots against a stiff spring .	MMTM	1 No	MMTM-123
36	1	Snip straight	250 mm	SMW	8 Nos	SMW-27
37	1	Snip Straight and Bent heavy duty	Snip Straight : Length : 250 mm weight : 400g Cutting Capacity : Upto 16 gauge of mild Sheet Size of Blade : 1.5 inch	Electrician	2 Nos	Electrician- 41
38	1	Spirit level	LENGTH-300mm THICKNESS-50mm WIDTH -20mm SENSITIVITY- 2m(0.079 Inch) BUBBLE - 0.005 DEGREE	Wireman	1 No	Wireman-57
39	1	Steel rule	30 cm inch and metric Material : Stainless steel - case harden and accurately ground. Reverse side : Conversion Table inches to mm Size : 25.4 mm width x 1.2mm thick x 300mm length	MMV	26 Nos	MMV-17
40	1	Tongs Flat	10"	SMW	1 No	SMW-65
41	1	Torque Wrench	300mm-12.7mm Torque Wrench (300mm-12.7mm) Specification: Made from high grade steel with stand maximum fatigue,wear and tear..	R & AC	1 No	R&AC-85
42	1	Grease Gun	500gram capacity Lever type (Hand operated) 500gm capacity with accessories - Extension nozzle and flexible hoses with suitable nipples	MMV-2 Mc Gr-2	4 Nos	MMV-62 Mc Gr - 104.A
43	1	Hand Groover	5 mm	SMW	1 No	SMW-41
44	1	Hand vice	Up to 37 mm Spring type for wood work & Jewelring pack of 2 pcs (6") Rotating angle 360° Tilt angle 90°	MMV	1 No	MMV-72
45	1	Hollow Punch set of seven pieces	6mm to 15mm-length 150mm Material : High carbon steel Knurled bodies for secure grip.	MMV	4 Nos	MMV-73
46	1	Insulated Screw driver	20 cm x 9mm blade stem length : 200mm (insulated length 175mm) Handle length : 110mm	MMV	8 Nos	MMV-76
47	1	Interchangeable ratchet socket set	12 mm driver, sized10-32 mm set of 18 socket & attachments	Fitter	1 No	Fitter- 67
48	1	Shear Tinman	300mm	SMW	8 Nos	SMW-26
49	1	Straight edge steel	Material : Flat ground tool steel, beveled edge L x W x T - 300 x 40 x 6 mm Weight - 550 kg	Fitter	1 No	Fitter-20

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50	1	File flat	Shape - Flat Type of cut - second cut saf edge Length - 300 mm	Fitter	8 Nos	Fitter-52
51	1	File round bastard.	Shape - Round Type of cut - bastard Length - 250 mm	Fitter	4 Nos	Fitter-58
52	1	Oil Can	250 ml	Fitter	1 No	Fitter-61
53	1	Pliers combination insulated	150 mm Material - Drop forged	Fitter	2 Nos	Fitter-62
54	1	Spanner- Double Ended	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	Fitter	1 No	Fitter-65
55	1	Spanner adjustable	150 mm Material : drop forged chromium vanadium steel Hardness : 42 - 48 HRC	Fitter	1 No	Fitter-66
56	1	Clamp toolmaker	5 cm and 7.5 cm set of 2. All the screws are knurled	Fitter	1 No	Fitter-70
57	1	Clamp "C"	200 mm	Fitter	2 Nos	Fitter - 72
58	1	Adjustable spanner.	380 mm long	Fitter	1 No	Fitter -174
59	1	Spindle key	GAS WELDING USE CYLINDER TOP SIDE VALVE OPENING SPINDLE KEY. STANDARD SIZE	MMTM	1 No	MMTM-169
60	1	Chisel Cold Flat-18mm	Induction hardened Shank is powder coated and the cutting edge is accurately ground Size: 6 inches and diameter is 18 mm.	Mc Gr	4 Nos	Mc Gr 36.A
61	1	Chisel Cold Flat	12 mm Drop forged from high grade carbon steel.	Mc Gr	4 Nos	Mc Gr 37.A
62	1	Centre Punch	100mm x 10mm high grade chromium steel	Machinist	23 Nos	Machinist - 6
63	1	Hammer	B.P. 0.5 kg	Machinist	1 No	Machinist - 7
64	1	Screw Driver	10 x 200mm high grade steel, transparent green cellulose acetate handle	Machinist	54 Nos	Machinist -12
65	1	Punch Number	4 mm	SMW	1 No	SMW-35
66	1	Grip Wrench	200 mm	SMW	2 Nos	SMW-43
67	1	Ladle	150 mm Dia.	SMW	2 Nos	SMW-44
68	1	Steel Rule	600mm	SMW	3 Nos	SMW-58
69	1	Trepaning tool	70 mm	SMW	1 No	SMW-63
70	1	Hand vice	50 mm	SMW	4 Nos	SMW-64
71	1	Engineer's try square (knife-edge)	150 mm Blade	Fitter	1 No	Fitter - 158
72	1	Electrician Helmet	Material : HDPE material Weight : 300 gm	Electrician	2 Nos	Electrician-91
73	1	Quick couples, process tube adopter	¼" & 3/8" Max. allowable operating pressure PS 42 bar (610 psi)	R & AC	6 Nos	R & AC-49
74	1	Computer Tool Kits	1. Screw driver set 2. Should have the PTCT contains:	ICTSM	6 Nos	ICTSM-40
75	1	Valve spring compressor universal	155 - 175 mm 5x open sided adapters (Pusher) : 16mm, 19mm, 23mm, 25mm and 30mm	MMV	2 Nos	MMV-128
76	2	Electrical tachometer	0-10000rpm with LED display (battery 1.5v cell x 4 optional)	IM	1 No	IM-63
77	2	A.C. Energy Meter	Single Phase, 10 A, 240 V induction type	Electrician	2 Nos	Electrician -102

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78	2	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case	Multi range 75 V - 150V - 300V - 600V	Electrician	3 Nos	Electrician- 96
79	2	Calliper inside with spring - 15cm	6"-15cm	MMV	12 Nos	MMV-2
80	2	Digital insulation tester	Test voltage : 0 V TO 500V Ranges MW : 0-200MW	IM	1 No	IM-72
81	2	Gauge manifold with gauges	Different size of hoses for R 134a,R22 and R 410.	R & AC	3 Nos	R&AC-155
82	2	Gauge telescopic set.	8 - 150 mm (6 pieces )	Fitter	1 No	Fitter-149
83	2	Micrometer depth gauge	0-200 mm Reading 0.01 mm with NABL Accredited lab. Certificate	Machinist	1 No	Machinist- 127
84	2	Micrometer Inside	25 to 50 mm, Least Count 0.01 mm with NABL Accredited lab. Certificate	Turner	5 Nos	Turner-38
85	2	Tachometer	Gauge Series : Analog Gauge Range : 0-10,000 RPM	Electrician	1 No	Electrician- 108
86	2	Taps and dies complete set in box.	5, 6, 8, 10 & 12 mm set of 5	Fitter	1 No	Fitter- 44
87	2	Vernier caliper	Measuring range : 0- 150 mm , least count 0.02 mm	Fitter	2 Nos	Fitter -28
88	2	Vernier height gauge	300mm ,LC 0.02 Accuracy 002 inch	R & AC	1 No	R&AC-89
89	2	Try square hardened blade	100 mm Accuracy 0.001 Inch (0.03mm)	IM	1 No	IM-10
90	2	Different Profile gauges (Plate type) - For demonstration	(Metric standard) 2 mm to 200 mm	Fitter	4 Nos	Fitter-104
91	2	Drill gauges	Number drill gauge (1 to 60) , Metric drill gauge (1.5mm to 12.5mm, 30 holes) Letter drill gauge (A to Z) ,	Fitter	2 Nos	Fitter-114
92	2	Slip Gauge as Johnson metric set	Material - Alloy Steel Grade As -1 metric set. 87 Pieces Set	Fitter	1 No	Fitter-146
93	2	Gauge snap Go and No Go	25 to 50 mm by 5 mm, Set of 6 pieces	Fitter	1 No	Fitter- 147
94	2	Dial test indicator on stand	0.01 mm least count	Fitter	1 No	Fitter- 150
95	2	Sine bar	125 mm	Fitter	1 No	Fitter-151
96	2	Digital Micrometer outside.	0 - 25 mm Least count. 0.001 mm.	Fitter	1 No	Fitter-156
97	2	Gauge Radius (Inside and Outside) (Metric)	1mm to 25mm Range 0.5mm	Machinist	2 Nos	Machinist-143
98	2	Screw Pitch Gauge	Metric, 0.25 - 6mm, Whitworth 0.4 to 7	Machinist	2 Nos	Machinist-142
99	2	Thermometer Digital	0° C - 150° C	Electrician	1 No	Electrician - 73

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100	2	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case	100 – 0 – 100 mV	Electrician	2 Nos	Electrician - 97
101	2	AC Ammeter MI, analog, portable box type housed in Bakelite case	0 - 1 A,-2 each 0-5 A, - 2 each 0-25 A- 2 each	Electrician	2 Nos	Electrician- 99
102	2	Digital multimeter	3 ½" digit 0.5",LED display in a distinctive Red color	IM	2 Nos	IM-73
103	2	Centre zero galvanometers	Measurement range - 100 MV/DC,30µA DC, 3mA DC	IM	2 Nos	IM-90
104	2	Wattmeter dynamometer type	0-500watts	IM	1 No	IM-93
105	2	Watt hour meter induction type 1ph	Single phase 230v-0-15Amps	IM	2 Nos	IM-95
106	2	Impeller type flow meter	Diameter - 45 mm,70mm Length - 1.53 meter Weight - 4 Kgs.	IM	1 No	IM-122
107	2	Stem and dial type bimetallic thermometer (various ranges)	Range: 0 to 100 - 2 Nos. 0-150 - 2 Nos. 0-200°C - 2 Nos.	IM	6 Nos	IM-138
108	2	Screw pitch gauge Metric	Metric 0.25 to 6 mm Material - Stainless Steel Colour - Silver	Fitter	1 No	Fitter-31
109	2	Thermostat	for Petrol Engine For Maruthi 800 Engine Model : HP-31-2881 Type : Wax Filled	MMV	4 Nos	.MMV-118
110	2	Vacuum gauge	0 to 760 mm of Hg. Vacuum gauge Glycerin filled/Bourdon tube Dial size : 4" (100mm) Range - 760mmhg to 0 Mounting : Direct bottom/connection 3/8" BSP(M) Accuracy : +/-1%   MOC SS Case & SS wetted parts 1 No Vacuum gauge/1 No Calibration Certificate traceable to national standard valid for 1 year No. of Memory sticks :2 Item Weight : 500gms	MMV	2 Nos	MMV-126
111	2	Screw pitch gauge B.A. & metric each	Accuracy (Metric) - 0 - 25~1.3(±0.03mm) 14~7.0 (±0.05mm) 7.5~11.5(±0.07mm) Accuracy (Inch) 84 ~ 40 / inch (±0.03mm) 38 ~ 10 / Inch (± 0.05 mm) 9 ~ 3 / inch (±0.07mm)	IM	1 No	IM-21
112	3	Drill Twist (Metric)	3 mm to 12 mm, in step of 1 mm	Mc Gr	1 No	Mc Gr 87
113	3	Drill twist Taper shank	8 mm to 20 mm by 0.5 mm H.S.S	Fitter	2 Nos	Fitter-42
114	3	Machine Reamer parallel (Helical flute)	12 - 16mm set of 5.	Fitter	1 No	Fitter-74
115	3	Milling Cutter - Concave	Ø 63 x 6 radius x 27 mm Bore Diameter	Machinist	1 No	Machinist-120

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116	3	Milling Cutter - Disc type form	(involute form - 2 module, 20° pressure angle)	Machinist	2 Nos	Machinist-122
117	3	Milling Cutter - T Slot Cutter with Parallel Shank	Ø 17.5 x 8 mm Width x Diameter of shank 8 mm	Machinist	2 Nos	Machinist-119
118	3	Stud Extractor EZY - out	Set of 8	Fitter	2 Nos	Fitter-22
119	3	Knurling tool (Diamond, straight & Diagonal)	Knurls are dimensioned in accordance with ANSI B94. 6 and are used to provide a rough surface for gripping	Fitter	1 No	Fitter-105
120	3	Carbide tipped tools of different sizes and shapes (throw away tips)	Carbide tipped Graduation 0.01mm Accuracy ±6.450µm with 2 rods NABL accredited lab certificate 5/8 " X 6 " LONG	Machinist	4 Nos	Machinist-80
121	3	Power tools for fastening	Capacity - 10- 18 mm	Fitter	1 No	Fitter-103
122	3	Drill Twist Set	Taper Shank - 14 mm to 20 mm by 1 mm Material :HSS	Turner	3 Nos	Turner-65
123	4	Pneumatic Trainer Kit, each consisting of the following matching	Panel/Table accommodating the following components	Fitter	1 No	Fitter-198
			I. Single acting cylinder Max. stroke length 50 mm, Bore dia 20mm	Fitter	1 No	Fitter-198
			II. Double acting cylinder Max. stroke length 100 mm, Bore dia 20 mm, magnetic type	Fitter	1 No	Fitter-198
			III. 3/2-way valve manually-actuated, Normally Closed	Fitter	2 Nos	Fitter-198
			IV. 3/2-way valve pneumatically-actuated, spring return	Fitter	1 No	Fitter-198
			V. One-way flow control valve	Fitter	2 Nos	Fitter-198
			VI. 5/2-way valve with manually-operated switch	Fitter	1 No	Fitter-198
			VII. 5/2-way valve pneumatically-actuated, spring return	Fitter	1 No	Fitter-198
			VIII. 5/2-way pneumatic actuated double pilot valve	Fitter	1 No	Fitter-198
			IX. 3/2-way roller lever valve direct actuation Normally Closed	Fitter	2 Nos	Fitter-198
			x. Shuttle valve (OR)	Fitter	1 No	Fitter-198
			XI. Two-pressure valve (AND)	Fitter	1 No	Fitter-198
			XII. Pressure gauge 0-16 bar	Fitter	1 No	Fitter-198

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124		components and accessories:	XIII. Manifold with self-closing NRV, 6-way	Fitter	1 No	Fitter-198
			XIV. Pushbutton station for electrical signal input with 3 illuminated momentary-contact switches (1 NO + 1 NC) and 1 illuminated maintained-contact switch (1 NO + 1 NC) Contact load 2A	Fitter	1 No	Fitter-198
			XV. Relay station with 3 relays each with 4 contact sets (3NO+1NC or Change-over type), 5 A	Fitter	1 No	Fitter-198
			XVI. 3/2-way single solenoid valve with LED	Fitter	1 No	Fitter-198
			XVII. 5/2-way single solenoid valve with manual override and LED	Fitter	1 No	Fitter-198
			XVIII. 5/2-way double solenoid valve with manual override and LED	Fitter	1 No	Fitter-198
			XIX. Power supply unit, Input voltage 85 – 265 V AC, Output voltage: 24 V DC, Output current: max. 4.5 A, short-circuit-proof.	Fitter	1 No	Fitter-198
			XX. Profile plate, Anodised Aluminium 1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the pneumatic workstation) 1 set	Fitter	1 No	Fitter-198
	4	Hydraulic Trainer Kit, each consisting of the following matching components and accessories:	Panel/Table accomodating the following components	Fitter	1 No	Fitter-202
			I. Hydraulic Power pack with (1) external gear pump having a delivery rate of 2.5 lpm, (approx.) @ 1400 rpm operating pressure 60 bar, coupled to a single-phase AC motor (230 V AC) having start capacitor and ON/OFF switch and overload protection, (2) pressure relief valve adjustable from 0 – 60 bar, (3) oil reservoir, ≥5 litres capacity having sight glass, drain screw, air filter, and P and T ports.	Fitter	1 No	Fitter-202
			II. Pressure relief valve pilot-operated	Fitter	1 No	Fitter-202
			III. Drip tray, steel size 1160 mm x 760 mm.	Fitter	1 No	Fitter-202
			IV. Pressure Gauge Glycerin-damped, Indication range of: 0 – 100 bar	Fitter	1 No	Fitter-202
			V. Four-Way distributor with five ports, equipped with a pressure gauge	Fitter	1 No	Fitter-202
			VI. Double acting hydraulic cylinder with a control cam, Piston diameter 16 mm, Piston rod diameter 10 mm, Stroke length 200 mm.	Fitter	1 No	Fitter-202
			VII. Suitable Weight for vertical loading of hydraulic cylinder	Fitter	1 No	Fitter-202
			VIII. Mounting kit for weight for realizing pulling and pushing load.	Fitter	1 No	Fitter-202
			IX. 3/2-way directional valve control with hand lever actuation.	Fitter	1 No	Fitter-202
			X. 4/2-way directional control valve with hand lever actuation.	Fitter	1 No	Fitter-202
			XI. 4/3-way directional control valve closed-centre position, with hand lever actuation.	Fitter	1 No	Fitter-202
			XII. Non-return valve.	Fitter	1 No	Fitter-202
			XIII. Pilot-operated check valve pilot to open.	Fitter	1 No	Fitter-202
			XIV. One-way flow control valve with integrated check valve.	Fitter	1 No	Fitter-202
			XV. T-Connector with self sealing coupling nipples (2 Nos.) and quick coupling socket (1 No.).	Fitter	2 Nos	Fitter-202

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			XVI. Profile plate, Anodised Aluminium, 1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the Hydraulic workstation)	Fitter	1 No	Fitter-202
125	4	Hydraulic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mm xH158mm each, and overall size of Drawer unit (Approx.) - 70mmxW495mmxH825mm and (3) Drawer slide height (Approx.) 85mm.	Fitter	1 No	Fitter-203
126	4	Cut-section models for hydraulic components	Available standard sizes	Fitter	1 No	Fitter- 204
127	4	Compressor unit suitable for Pressure: 8 bar,	Delivery: 50 lpm (or more), Reservoir capacity: 24 Litres (or more), 230V, 50 Hz, with pressure regulator and water separator	Fitter	1 No	Fitter-197
128	4	Carrier for mounting components, such as PB & relay boxes.	Profile plate Anodised aluminium 1100x700mm with carriers mounting frames and mounting accessories (to be fitted pneumatic workstation)	Fitter	1 No	Fitter-200
129	4	Cut section model for pneumatic components	Available standard sizes	Fitter-1	1 No	Fitter-201
130	4	Dry N2 cylinder	2 stage regulator or commercial N2 in cylinder with drier unit and 2 stage regulator & meter cube <b><u>Product Specification</u></b> Capacity 5-30 ltr Pressure 130-140lbs Height 1290 mm Weight 55- 60 Kg  <b><u>TWO STAGE REFUGULATOR</u></b> <b><u>Product Specification</u></b> Brand: Noble Material: Brass Automation Grade Manual Media Gas Flow Rate 240 LPM Low Pressure 500 PSIG	R & AC	1 No	R & AC-143
131	4	Pneumatic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mm xH158mm each, and overall size of Drawer unit L470mmxW495mmxH825mm and (3) Drawer slide height (Approx.)85mm.	Fitter	1 No	Fitter-199

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132	5	Experimental closed loop set up for solid flow measurement and control with storage vessel,hopper, solid flow sensor controller,recorder and final control element	Microwave based Solid flow sensor, Hopper, collection tray, control valve/FCE, PID controller, electronic circuit chart recorder, current meter, and seamless data transfer unit. Complete working set up mounted on suitable frame structure.	IM	1 No	IM-129
133	6	Single door direct cool refrigerator, carrying with HFC and HC	185 L 3 star 200 ice magic power cooler	R & AC	1 No	R & AC-134
134	6	Split A.C	1.5 Ton with R134a reciprocating compressor, Inverter type, 5 Star Rating	R & AC	2 Nos	R & AC-145
135	6	Air-conditioning, direct system.	Complete with all controls including humidity control	R & AC	1 No	R & AC-164
136	6	Window A.C	1 Ton with R-410 Blend reciprocating compressor	R & AC	2 Nos	R & AC-144
137	6	Decibel meter	30-100 db Dimension 8.66 x 4.72 x 1.65" Batteries - 3 AAA Batteries required Material - ABS plastics LCD display 30 - 130 d BA, Accuracy $\pm 1.5$ Db Automannual shutdown	R & AC	1 No	R & AC-148
138	6	Display Cabinet	2 ton capacity Material - Stainless steel	R & AC	1 No	R & AC-160
139	6	Absorption system	Small size Power consumption 60 - 70 W capacity - 41 ltrs. Cooling capacity - 50 W approx. Temperature sensor - 6 Nos. Indicators - 6 channel (0 - 199.9° C) MS frame power coated	R & AC	1 No	R & AC-176
140	6	Descaling pump set	with stainless steel impeller and housing complete with motor 1/2 hp and accessories	R & AC	1 No	R & AC-150
141	6	Bottle cooler visible	200 L carrying with HFC-134a& reciprocating compressor Available - 220 yrs Product Dimension - 535 x 670 x 1390 W X H X D Packed Dimension - 595 x 720 x 1455 Temperature Range - 0° C to 1°C	R & AC	1 No	R & AC-158
142	7	Laptop : 4th Gen Ci5 or higher Processor, 4GB RAM, 1TB Hard Disk, Win8/latest Preloaded Licensed OS, 2GB Graphics Card, DVD Writer, Standard Ports And Connectors.	Laptop •10th Generation Intel® Core™ i7 processor •Intel® Core™ i7-10510U Processor (1.8 GHz base frequency, up to 4.9 GHz base with Intel® Turbo Boost Technology, 8 MB cache, 4 cores) •Windows 10 Home Single Language 64 •16 GB DDR4-2666 SDRAM (1 x 16 GB) •512 GB PCIe® NVMe™ M.2 SSD •NVIDIA® GeForce® MX250 (2 GB GDDR5 dedicated) •35.56 cm(14) diagonal FHD IPS micro-edge WLED-backlit multitouch-enabled edge-to-edge glass (1920 x 1080) •Wireless: Realtek Wi-Fi 5 (2x2) and Bluetooth® 5 combo •Audio Features : B&O, dual speakers, HP Audio Boost •Web cam : HD Camera with integrated dual array digital microphone	COPA	1 No	COPA-2

S NO	Procurement Package No	Name of Items	Specification	Trade/ Course for which it is required	Total Qty Approved	NSQF SYLLABUS S.NO
143	7	Laser Printer Colour A4 Size	Laserjet Printer Colour : A4 Size Multi Function Printer (MFP) •Printing : Colour •Print, copy, scan •Print Speed : 21 -30 PPM •Ethernet networking, USB, Wireless (Wi-Fi®), Wireless direct printing • Duplex Printing (Automatic) •Automatic document feeder, Front USB flash drive port	COPA	1 No	COPA-8
144	7	Network Laser Printer Monochrome A4 Size	Laser Printer Monochrome - A4 Printing : Black, Duplex Printing (Automatic) Ports : 1 Hi-Speed USB 2.0; 1 Host USB; 1 Gigabit Ethernet 10/100/1000T network; 1 Wireless 802.11b/g/n Network ready : Standard (built-in Ethernet, Wi-Fi) Connectivity, standard : - 1 Hi-Speed USB 2.0; 1 Host USB; 1 Gigabit Ethernet 10/100/1000T network; 1 Wireless 802.11b/g/	COPA	1 No	COPA-9
145	7	Server computer (i7 processor)	Server Computer, Intel Xeon 4210 (2nd Gen., 10Core) Processor with 16GB RAM & 1.2TB 10K rpm SAS Hard Disk. Processor: Intel (Xeon W3503) Processor speed: 2.20 GHz or above Processor count : 4 RAM size: 16 GB	ICTSM	1 No	ICTSM-28
146	7	Wi-Fi Router With Wireless Connectivity	Wireless router without Modem - 7200 Mbps Number of USB Ports : 4, Antennae : External Frequency Band : Tri Band, Frequency : 2.4 GHz, 5 GHz	COPA	1 No	COPA-3
147	7	Switch 24 Port	24-Port 10/100 Smart Switch with 4 Gigabit Ports and 24 POE Ports Network Switch / Managed Rack mountable Bandwidth : 12.8 Gbps , Latency : 4 s (max) Number of Ethernet ports : 24, Speed : 10/100 Mbps Supported Protocols : IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.3af	COPA	1 No	COPA-4
148	7	Sound System 2.1	• Computer Multimedia 2.1 Speaker with Bluetooth • SD Card, USB, AUX, FM and Remote Control • BT 2.1 multimedia speaker • Multi connectivity options like USB/SD/MMC cards • individual controls for volume, treble & bass adjustment. •LED power indicator with an LED. •Built in stereo FM	COPA	1 No	COPA-22
149	7	Patch Panel 24 Port	Cat 5/6 UTP 24 Port Panel Six Port RJ45 modules applied ID stripes for identifying port allocations	COPA	2 Nos	COPA-24

S NO	Procurement Package No	Name of Items	Specification	Trade/ Course for which it is required	Total Qty Approved	NSQF SYLLABUS S.NO
150	7	5KVA Online ups	DSP Technology with IGBT based inverter. Inbuilt OVCD (Over Voltage Cut-Off Device)with Surge Protection. OUTPUT : 5 KiloWatts Maximum Rating: 5.5 KVA/192v Phase: Single phase with ground Capacity: 5.5 KVA/ 4.4 KW Input voltage: 165-285V AC Range: 50 Hz External battery: Tubular battery(16 No's) ;180AH Charging Current: 8A + 10 Charging voltage: 224 VDC (Booting) Output voltage : 220 VAC Wave form : Pure sine wave Noise Level Less than 50dB	ICTSM	1 No	ICTSM-35
151	7	UPS Trainer kit	PWM Switching technology, ; AVR (Automatic Voltage Regulator) type,; with PIN Configuration Circuit Diagram Test points to measure the voltages of different sections. Over all functioning of UPS trainer , AVR transformer , UPS with load condition Brand : Analog & Digital device Input : 190 V to 250 V AC output: 230VAC Battery : 12V , 7.2 Ah Maintenance Free Features: LCD display and indicators	ICTSM	2 Nos	ICTSM-70
152	7	Personal computer system with printer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch.) Licensed Operating System and Antivirus compatible with trade related software.	Wireman	1 No	Wireman-90
153	7	LCD projector with screen	1. Display type - LCD 2. Light output 3200 lumex	SMW	1 No	SMW-117
154	8	Hand Drill Machine	0-6 mm Capacity Manual hand drill machine with wooden handle.	Electrician	2 Nos	Electrician-67
155	8	Drill machine pillar type- motorized	Drilling capacity in steel,mm 12	Turner	3 Nos	Turner-115
156	8	Drilling machine bench	Sensitive 0-12 mm cap motorised with chuck and key	Fitter	1 No	Fitter-177
157	8	Electrical drill portable drill with chuck and key	3-10mm(Plastic body with 3,4,5,6,7,8,9,10mm drill bits containg each 1 nos)	MR & AC	5 Nos	MR & AC-34
158	8	Core drill machine.	600 RE 13mm 600 W Weight - 4.5 kg. Speed - 0- 2000 rpm capacity in metal 13 mm	MR & AC	1 No	MR & AC-137
159	8	Drilling machine pillar	20 mm capacity with drill chuck and key 0.75 kw specification	Machinist	1 No	Machinist-161

S NO	Procurement Package No	Name of Items	Specification	Trade/ Course for which it is required	Total Qty Approved	NSQF SYLLABUS S.NO
160	8	Pipe Bending Machine	1. Hydraulic Type 2. 12 mm to 30 mm 3. (1/2", 3/4", 1", 1 1/4") Pipe formers 4. Hydraulic 3 based with Hydraulic piston 5. 1/2" - 1 1/4" (4 former) INCASE BAND 'C' class pipes	SMW	1 No	SMW-104
161	8	Hand Press Brake Capacity	1. 0.8 mm capacity 2. Brake angle - 0.135" 3. Bending thickness - 0.8mm 4. Bending length - 900 mm 5. Beam lift - 32 mm	SMW	1 No	SMW-105
162	8	Beading Machine	1. with 380 mm throat clearance (with crimping rollers) 2. Centre of roll - 76 mm maximum 3. thickness capacity MS - 1.6 mm, 4. Maximum depth of GOP - 450 mm 5. Drive motor - 2 HP - 1440 rpm, 3 phase	SMW	1 No	SMW-106
163	8	Tin man smiths bench folder	1. 600 x 1.6 mm 2. 600 mm maximum thickness (MS) -1.6mm 3. Maximum bending angle in one operation 4. Depth of Box or Tray - 75 mm 5. Maximum beading radius - 19 mm 6. weight 150 kg. with all standard accessories	SMW	1 No	SMW-107
164	9	D.C. compound motor	3 H.P 250 V with 4 point starter and field regulator (Laboratory type)	Wireman	1 No	Wireman-96
165	9	D.C. shunt motor	3 H.P 250 v with 3 point starter and speed regulator (Laboratory type)	Wireman	1 No	Wireman-97
166	9	Electrical Machine Trainer –	Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase). Should be fitted with friction brake arrangement, dynamo meter, instrument panel and power supply unit	Electrician	1 No	Electrician-152
167	9	3.0 HP Squirrel cage induction motor with D.O.L. starter	3 H.P. 400 V	Wireman	1 No	Wireman-104
168	9	Fire Extinguisher	DEPTH 3/9-15/10sec	Mc Gr	1 No	Mc Gr 93
169	9	Fire extinguisher Soda Acid and foam type	9 litres capacity Acid and foam type	SMW	1 No	SMW-98
170	9	Funnal stake	10" Length 6.82 Kg Weight	SMW	3 Nos	SMW-18
171	9	Half Moon Stake	2 1/2" Head dia 1 1/4" shank 2.73 kg weight	SMW	2 Nos	SMW-17
172	9	Anvil Face Stake	Weight 6 kg approximately	SMW	3 Nos	SMW-19
173	9	Bench vice with work bench	340 mm X 120 mm X 75 mm 150 mm Jaw opening	Welder	12 Nos	Welder-60
174	9	Bick Iron Stake	Weight 4 kg approximately	SMW	2 Nos	SMW-20
175	9	Portable air - LPG brazing kit	2 kg. LPG cylinder, torches, hoses, stand make	R & AC	1 No	R & AC-132
176	9	Stake Round and Bottom	1 Medium 2 Weight 5 kg approximately	SMW	3 Nos	SMW-16

S NO	Procurement Package No	Name of Items	Specification	Trade/ Course for which it is required	Total Qty Approved	NSQF SYLLABUS S.NO
177	9	Temperature controlled Soldering Station	50 Watt, 230 Volt	Electrician	2 Nos	Electrician-122
178	9	Fire buckets with Stand	4 Buckets and One Stand	SMW	1 No	SMW-99
179	9	High Pressure blow pipe with tips	NOZZLE SIZE 5,10	MMTM	1 No	MMTM -164
180	9	Gas cutting torch with cutting tips	Cutting nozzle 1/32 inch	MMTM	1 No	MMTM-165
181	9	Machine vice - Swivel Base	100 mm	Fitter	1 No	Fitter-86
182	9	Marking table (Mild steel)	900x900x900 mm with M.S.	Fitter	1 No	Fitter-34
183	9	Bench vice	150 mm	SMW	1 No	SMW-86
184	10	Hand Shear Universal 250 mmID	Blade length : 250mm	SMW	4 Nos	SMW-30
185	10	Power saw machine – hydraulic feed system	Power Hack saw machine to accommodate 16” length blade. Specification: Blade Size 16”	Turner	2 Nos	Turner-116
186	10	Circle cutting machine	1. 300 mm dia 2. Circular cutting machine model / 15 H	SMW	1 No	SMW-81
187	11	S.S. & S.C centre lathe. (all geared type)	Centre height 150 mm and centre distance 1000 mm along with 3 and 4 jaw chucks, autofeed system, safety guard,taper turning attachment,motorized coolant system, lighting arrangement & standard accessories	Fitter	1 No	Fitter-175
188	12	Universal Milling machine with minimum specification as:	Table Length x width (1200 x 300 mm) having motorized up & down movement along with auto feed arrangement and with Motor Capacity - 7.5KW following attachments such as: a. Vertical head b. Slotting attachment c. Rack cutting attachment d. Rotary table e. Dividing head f. Adaptors, arbors and collets etc. for holding straight shank drills and cutters from 3 mm to 25mm. Weight of the machine approximately 2.5Ton	Machinist	1 No	Machinist-165
189	13	Lathe tool room S.S. & S.C. (all geared type)	Table Length x width 1200 x 300 mm having motorized up & down movement along with auto feed arrangement and with Motor Capacity - 7.5KW following attachments such as: a. Vertical head b. Slotting attachment c. Rack cutting attachment d. Rotary table e. Dividing head f. Adaptors, arbors and collets etc. for holding straight shank drills and cutters from 3 mm to 25 mm.	Turner	1 No	Turner-113
190	14	Instructor's table and Chair (Steel)	2 1/2' x 2' x 2 1/2' 'S' type armed chair	SMW	1 No	SMW-114
191	14	Metal rack	1820 x 1820 x 450 cm	Fitter 1 SMW 2	3 Nos	Fitter-93 SMW-96

S NO	Procurement Package No	Name of Items	Specification	Trade/ Course for which it is required	Total Qty Approved	Mode of Procurement (LTS/OTS as per TN tender rules)	NSQF SYLLABUS S.NO
192	14	Steel cup boards with eight lockers for trainees	1800x1200x450	IM-4 SMW-I	5 Nos	LTS	IM-181 IM-182 SMW-97
193	14	Steel lockers for 14 trainees	51 2" X 4 X 1 1/2" Gauge 18, 14 lockers with key	Machinist	2 Nos	LTS	Machinist-150
194	14	White magnetic board	1) 6' x 4'	SMW	1 No	LTS	SMW-115
195	14	Work Bench	1820 x 1310 x 760 mm	SMW	2 Nos	LTS	SMW-94
196	14	Soft Board for display	1.25 m x 1.85 m x 10 mm thick	Mc Gr	1 No	LTS	Mc Gr 111
197	14	Pigeon hole cabinet 20 compartments	6'x4' Strong steel almirah cabinet metal 20 compartment pigeon hole for Trainees	COPA	1 No	LTS	COPA-37
198	15	Air Plasma cutting equipment	with all accessories, capacity to cut 12 mm clear cut	WELDER	1 No	LTS	Welder-45
199	15	Air compressor suitable for above air plasma cutting system.	12 bar capacity 9 bar cutting 150 Litre Air capacity 5.5 psi 3 hp	WELDER	1 No	LTS	Welder-46
200	15	AC/DC GTAW welding machine	with water cooled torch 300 A, Argon regulator, Gas hose, water circulating system and standard accessories.	WELDER	1 No	LTS	Welder-44

**Sd/...**  
**Director of Employment and Training**

// Forwarded By Order//

  
For Director of Employment and Training

  
30/09/20

**Approval of Expenditure Plan for ICT Infrastructure**  
**Name of the Govt ITI - Govt ITI, Coimbatore**  
**R.C.No 14952 / SPIU 4 / 2020, Dt.19.07.2021**

SI No	Description	Amount per Month	Amount in Rs
			Total Approved amount for one year
1	BSNL FTTH Line to COPA Trade	1300	15600
2	Material for LAN Connection to COPA, Drone Pilot Trade & Simulation Lab	-	84400
Total			100000

**Sd**  
**Director**

// Forwarded by order //

*K. R. S. Choudhary*  
For Director  
19/07/21

9/8  
19/07/21

<b>Approval of Expenditure Plan for Training of Teaching &amp; Management Staff</b> <b>Name of the Govt ITI - Govt ITI, Coimbatore</b> <b>R.C.No 14952 / SPIU 4 / 2020, Dt.19.07.2021</b>						
						Amount in Rs
SI No	Types of Training	Duration of Training	No of Staffs	Training Provider	Trining Cost per Trainer	Total Approved Training Cost
1	Refreshment Course in Welding & NDT	5 Days	3	Sri Ramakrishna Advanced Training Institute	5000	15000
2	Intensive Course in CNC Lathe (Turning)	6 Days	6	UMS Technologies Training Centre	8260	49560
3	Intensive Course in CNC Milling (VMC)	6 Days	4	UMS Technologies Training Centre	8260	33040
<b>Total</b>			<b>13</b>			<b>97600</b>

**Note :- Training undergoing details to be recorded in SR of Individual Instructors**

Sd  
Director

// Forwarded by order //

K. R. S. S. S.  
For Director  
19/7/21

19/7/21

**Approval of Expenditure Plan for Purchase of Books & Other Learning Materials**  
**Name of the Govt ITI - Govt ITI, Coimbatore**  
**R.C.No 14952 / SPIU 4 / 2020, Dt. .07.2021**

**Amount in Rs**

<b>SI No</b>	<b>Name of the Book</b>	<b>Name of the author</b>	<b>Name of the Publication</b>	<b>Quantity</b>	<b>Trade</b>
1	Workshop Technology Vol 1 (Elements of Workshop Technology)	S.K.Hatra Choudhury	Media Promoters & Publishers Pvt Ltd	1	Technician Mrchatronics
2	Workshop Technology Vol 2 (Elements of Workshop Technology)	S.K.Hatra Choudhury	Media Promoters & Publishers Pvt Ltd	1	Technician Mrchatronics
3	CNC Programming & Operations	Shankar.G, Stathish.T, Balamurugan	Micro Publications, Trichy	1	Technician Mrchatronics
4	Hydraulics & Pneumatic Controls	S.Ramachandran, P.Senthil Kumar	A/R Walk Publications	1	Technician Mrchatronics
5	Mechatronics (7th Sem Mechanical Engineering of Anna University)	G.K.Vijayaragavan, R.Lakshmi Rekha, R.Shylaja	ARS Publications	1	Technician Mrchatronics
6	Fundamentals of Robotics Analysis & Control	Robert J.Schilling		1	Technician Mrchatronics
7	Question & Answer for Automobile Theory 1st & 2nd year		JKB Publications	1	MMV
8	A Text Book of Automobile Engineering	Gupta S.K		1	MMV
9	How to Build a Car	Andrian Newey		1	MMV
10	Automotive Engines	A.K.Babu		1	MMV
11	Electric & Hybrid Vehicle	Tom Denton		1	MMV
12	Text Books of Fluid Mechanics	Dr R.K.Bansal		1	Fitter
13	Mechanical Workshop Practice	K.C.John		1	Fitter
14	Hydraulics & Pneumatic	K.Galkwad		1	Fitter

SI No	Name of the Book	Name of the author	Name of the Publication	Quantity	Trade
15	Q Bank Series	M.Mehta, G.V.Ramana Morrthy,		1	Electrician
16	Objective Electrical Technology	V.K.Mehta, Rogith Mehta	JKB Publications	1	Electrician
17	Basic Electrical Engineering	A.K Sever, S.Radhakrishnan		1	Electrician
18	DGT NSQF V 2018 Electrician	R.P.Jaipur	Royal Publications	1	Electrician
19	Basic Electrical Engineering Theory and Practical	P.S.Dhogal, K.S.Dhogal		1	Electrician
20	1 & 3 Motor Winding Design	P.S.Dhogal		1	Electrician
21	Electrical wiring at home	Hyden Roberts		1	Electrician
22	Electrician Practical (1,2,3,4) Semester	Priti Agarwal	NIK	1	Electrician
23	Principle of Electronic	V.K.Mehta		1	Electronic Mechanic
24	Electronics and Communications	Tamil & English		1	Electronic Mechanic
25	Power Eletronics	Tamil & English		1	Electronic Mechanic
26	Digital Electronics	Vol 1 Tamil & English, Vol 2 Tamil & English		1	Electronic Mechanic
27	Electrical Machines	Vol 1 Tamil & English, Vol 2 Tamil & English		1	Electronic Mechanic
28	Measuring Instruments	Vol 1 Tamil & English, Vol 2 Tamil & English		1	Electronic Mechanic
29	Electronic Components & Device	Tamil & English		1	Electronic Mechanic
30	Electronic Circuit Theory	Tamil & English		1	Electronic Mechanic

<b>SI No</b>	<b>Name of the Book</b>	<b>Name of the author</b>	<b>Name of the Publication</b>	<b>Quantity</b>	<b>Trade</b>
31	Networking Theory	Tamil & English		1	Electronic Mechanic
32	Micro Controller 8085	Tamil & English		1	Electronic Mechanic
33	Basic Electronics	English	Asian Publishers	1	Electronic Mechanic
34	Electronis 1000 Questions & Answers	A.K.Mehta	Asian Publishers	1	Electronic Mechanic
35	ICTSM Theory Semester 1,2,3,4	English		1	ICTSM
36	ICTSM Qustion Bank Series Semester 1,2,3,4	English		1	ICTSM
37	Principle of Electronic	V.K.Mehta		1	ICTSM
38	Electronic & Communication	Tamil & English		1	ICTSM
39	Power Eletronics	Tamil & English		1	ICTSM
40	Digital Electronics Vol 1	Tamil & English		1	ICTSM
41	Digital Electronics Vol 2	Tamil & English		1	ICTSM
42	Electronic Mechines Vol 1	Tamil & English		1	ICTSM
43	Electronic Mechines Vol 2	Tamil & English		1	ICTSM
44	Measuring Instruments Vol 1	Tamil & English		1	ICTSM
45	Measuring Instruments Vol 2	Tamil & English		1	ICTSM
46	Electronic Components & Device	Tamil & English		1	ICTSM

SI No	Name of the Book	Name of the author	Name of the Publication	Quantity	Trade
47	Electronic Circuit Theory	Tamil & English		1	ICTSM
48	Networking Theory	Tamil & English		1	ICTSM
49	Industrial Instrumentation & Control	S.K.Singh		2	Instrument Mechanic
50	Objective Instrumentation & Control	Ashish Agarwal, Rakhi Rawal		2	Instrument Mechanic
51	Fundamentals of Industrial Instrumentation	Alok Batua, John Wiley		1	Instrument Mechanic
52	Engineering Instrumentation & Control			2	Instrument Mechanic
53	E-Book Instrumentation Engineering	Tamil & English		1	Instrument Mechanic
54	Basic Electronics Solid State	Bel Theraja		2	Instrument Mechanic
55	Electrical & Electronic - Measurement & Instrumentation	A.K.Sawhney		2	Instrument Mechanic
56	Temperature Industrial Instrumentation	Donald DC Eekman		2	Instrument Mechanic
57	Refrigeration & Air Conditioning Data Book (SI Unit)	Anand.V, Domkundarwar V.M		1	MR&AC
58	Refrigeration & Air Conditioning Data Book	C.P.Arora		1	MR&AC
59	A Text Book of Refrigeration & Air Conditioning	R.S.Khurmi, J.K Gupta		1	MR&AC
60	Basic Refrigeration & Air Conditioning	P.N.Anantha Narayanan		1	MR&AC
61	A text Book for Semester 1,2,3,4 Mechanic Refrigeration & Air Conditioning Trade Theory / Assignment / Text (Solved)	G.S.Sethi		1	MR&AC

SI No	Name of the Book	Name of the author	Name of the Publication	Quantity	Trade
62	Central Air Condition Plan Mechanic Training Theory Book for Training	Manoj Golu		1	MR&AC
63	Refrigeration & Air Conditioning Mechanism	C.M Joy George		1	MR&AC
64	A Text Book on HVAC.CA detailed study on Centralized AC System	J.Sidhartha Yadav, B.Kishore & Subith Mishra		1	MR&AC
65	Practical Refrigeration & Air Conditioning	M.Aditahan Sclaroiya		1	MR&AC
66	Plastic material & processing	A.Brent Strong		1	Plastic Processing Operator
67	Plastic processing data handbook			1	Plastic Processing Operator
68	handbook of troubleshooting plastic processing practical	John R.Wagnet, Jr		1	Plastic Processing Operator
69	Industrial welding technology NIMI	BHEL		2	Welder
70	Welding technology	O.P.Kanna		2	Welder
71	CNC programming and operations	Tamil	Micro Publications, Trichy	1	Turner
72	Workshop technology volume 1	Harza Sowthry	MPP Publications	1	Turner
73	Workshop technology volume 2	P.M.Agarwal & V.J.Patel	MPP Publications	1	Turner
74	CNC fundamentals and programming	Raj Ranjith	Charotar Publishers	1	Turner
75	Basic Turner theory question and answers	Raj Ranjith	Dhanpath Raj Publications	1	Turner
76	Basic Turner theory book new pattern	G.S.Sethi & Balbir Singh	Dhanpath Raj Publications	2	Turner
77	Turner trade theory and assignment test solved book	G.S.Sethi & Balbir Singh	Computek Publications	1	Turner

<b>SI No</b>	<b>Name of the Book</b>	<b>Name of the author</b>	<b>Name of the Publication</b>	<b>Quantity</b>	<b>Trade</b>
78	Turner question bank series	Tamil	Singh Asian	2	Turner
79	Appaji Turner book		SM Publications	5	Turner
80	Advanced Excel success a practical guide to mastering Excel			1	COPA
81	Network essentials			1	COPA
82	Python the complete reference			1	COPA
83	Python for dummies			1	COPA
84	Cyber security 3 book in_1 (beginner intermediate and advanced guide in cyber security measures effectively)			1	COPA
85	Mastering cloud computing			1	COPA
86	HTML & CSS (A-Z) a complete guide to web design			1	COPA
87	CNC programming and operations	Tamil	Micro Publications, Trichy	1	Machinist
88	Workshop technology volume 1	Hajra Choudhary		1	Machinist
89	Workshop technology volume 2	Hajra Choudhary		1	Machinist
90	CNC fundamentals and programming	P.M.Agarwal & V.J.Patel	Character	1	Machinist
91	Production technology manufacturing process			1	Machinist
92	The beginner's guide to engineering mechanical engineering	Mark Huber		1	Machinist
93	Mechanical engineering conventional and objective types	S.Chand, R.S.Kurmi		1	Machinist

SI No	Name of the Book	Name of the author	Name of the Publication	Quantity	Trade
94	Question bank series machinist	G.S.Sethi & Balbir Singh	Asian Publications	1	Machinist
95	Appaji machinist first year		SM Publications	1	Machinist
96	Appaji machinist second year		SM Publications	1	Machinist
97	Theory of machines	J.K.Gupta, R.S.Kurmi		1	Machinist
98	Mechanical engineering 1000 questions and answer	Balbir Singh		1	Machinist
99	NCVT wireman trade theory	A.K.Sever, S.Radhakrishnan	JK Publications	1	Wireman
100	How to do electrical wiring at home	Hayden Roberts		1	Wireman
101	Wiring systems and fault finding for installation electricians	Brain Scadden		1	Wireman
102	Objective electrical technology	V.K.Mehta & Rogith Mehta	S.Chand Publications	1	Wireman
103	Testing commissioning operation and maintenance of electrical equipments	S.Rae		1	Wireman
104	Commercial and industrial wiring	Randy Barnett		1	Wireman
105	Electrical wiring estimating and costing	Dr.S.L.Uppal, GC Garg		1	Wireman
106	Workshop calculation and Science		ComputeK Publications	1	Workshop Calculations & Science
107	Workshop calculation and Science mechanical trades		JKB Publications	1	Workshop Calculations & Science
108	Workshop calculation and Science for all trades		Arihant Publications	1	Workshop Calculations & Science
109	Workshop calculation and Science common trades	Kapil Dev		1	Workshop Calculations & Science

Sl No	Name of the Book	Name of the author	Name of the Publication	Quantity	Trade
110	Workshop calculation and Science	Shambav Garg		1	Workshop Calculations & Science
111	Workshop calculation and Science multiple choice questions	Pankaj Chanhan		1	Workshop Calculations & Science
112	ITI engineering drawing common for all engineering trades under CTS	Kapil Dev		1	Engineering Drawing
113	ITI engineering drawing electrician 1st and 2nd year	Hemraj Agarwal		1	Engineering Drawing
114	ITI engineering drawing mechanical group 1st and 2nd year	Hemraj Agarwal		1	Engineering Drawing
115	Fundamentals of engineering drawing for polytechnic	R.K.Dhawan		1	Engineering Drawing
116	Engineering graphics	K.V.Natarajan		1	Engineering Drawing
117	Engineering drawing pole and solid geometry	N.D.Bhatt		1	Engineering Drawing
118	Machine drawing	R.K.Dhawan		1	Engineering Drawing
119	Machine drawing	K.R.Gopala Krishnan		1	Engineering Drawing
120	Machine drawing 4th edition	K.L.Narayan, P.Kannaiyah, K.Venkata Reddy		1	Engineering Drawing
121	Engineering graphics	K.Venugopal, V.Prabhu Raja		1	Engineering Drawing
Estimated cost for Purchase of Books & Other Learning Materials					50,000

Sd  
Director

// Forwarded by order //

For *K. R. Rajan*  
Director 19/2/21  
27/6  
19/2/21

**Approval of Expenditure Plan for Facilities For Trainees**  
**Name of the Govt ITI - Govt ITI, Coimbatore**  
**R.C.No 14952 / SPIU 4 / 2020, Dt.19.07.2021**

				Amount in Rs
Sl No	Description	No of Trainees	Amount per Trainee	Total Cost Approved
1	Industrial Visit	500	50	25000
2	Inplant Training (Minimum 2 Weeks)	200	500	100000
<b>Total</b>		<b>700</b>		<b>125000</b>

Sd  
**Director**

// forwarded by order //

*K. R. ...*  
for Director  
19/7/21

*9/8*  
19/07/21

**Approved Procurement Plan**  
**Name of the Govt ITI - Coimbatore**  
**R.C.No 14952 / SPIU 4 / 2020, Dt.19.07.2021**

**Rs in Lakh**

SI No	Package Number	Description	PP Proposed	PP already Approved
1	Package 1	Hand Tools	1.73	1.73
2	Package 2	Instrument	3.97	3.97
3	Package 3	Cutting Equipment	1.38	1.38
4	Package 4	Hydraulics Equipment	6.50	6.50
5	Package 5	Equipment for Solid Flow Control	8.00	8.00
6	Package 6	Equipment for MR&AC	4.75	4.75
7	Package 7	Computer Equipment	7.77	7.77
8	Package 8	Drilling Machine	6.20	6.20
9	Package 9	Equipment for Varius Trades	7.51	7.51
10	Package 10	Power Saw Machine	3.62	3.62
11	Package 11	Ss And SC Centre Lathe	6.75	6.75
12	Package 12	Milling Machine	8.40	8.40
13	Package 13	All Geared Lathe Machine	9.50	9.50
14	Package 14	Furniture	4.41	4.41
15	Package 15	Welding Machine	8.50	8.50
<b>Total</b>			<b>88.98</b>	<b>88.98</b>

Sd  
**Director**

// forwarded by order //

K. R. Srinivasan  
For Director  
19/7/21

**Component wise approved Expenditure Plan**  
**Name of the Govt ITI - Govt ITI, Coimbatore**  
**R.C.No 14952 / SPIU 4 / 2020, Dt.19.07.2021**

**Amount Rs in Lakh**

<b>SI No</b>	<b>Component</b>	<b>Total cost Approved as per ISP</b>	<b>Total Expenditure Plan Approved</b>
1	Minor Civil Works	12.50	0.00
2	Equipment Furniture & Other Goods	220.04	88.98
3	Training Of Teaching & Management Staffs	5.00	0.98
4	ICT Infrastructure	4.97	1.00
5	Purchase Of Books & Other Learning Materials	2.50	0.50
6	Salary For Additional Staffs	0.00	0.00
7	Facilities For Trainees	2.49	1.25
8	Miscellaneous	0.00	0.00
	<b>Total</b>	<b>247.50</b>	<b>92.71</b>

Sd  
**Director**

// Forwarded by order //

/C. R. R. R.  
 For Director  
 19/07/21