

B. Items to be procured in Year-2 (FY-2021-22)

1. Minor civil work:-(Rs. 0.9 lakhs)

Sr. No.	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate/Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding)
1	Cubic cabin for CNC lab made of PLPB board . Top- 25 mm thick modesty 18 mm thick . Leg - 25 mm thick divider 18 mm thick.Size - 900(W)x600(D)x750(H) mm. Cabin total height - 1200 mm with installation in CNC lab.		Tuner	10	0.09000	0.90000	Competitive Bidding/Shopping
2	Renovation work/ fixing of aluminium Almirah in sewing technology trade.		Sewing Technology				

2. Equipment Furniture and other goods:(Rs. 60 Lakh)

Sr. No.	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate/Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding)
79	Tail comb		Basic Cosmetology	12 No.	0.00023	0.00276	Competitive Bidding
80	Afro/Style Comb		Basic Cosmetology	12 No.	0.000575	0.0069	Competitive Bidding
81	Open teeth tail comb		Basic Cosmetology	12 No.	0.00023	0.00276	Competitive Bidding
82	Small Bowl		Basic Cosmetology	12 No.	0.000288	0.00345	Competitive Bidding
83	Facial Band		Basic Cosmetology	12 No.	0.00023	0.00276	Competitive Bidding
84	Spray bottle		Basic Cosmetology	12 No.	0.00046	0.00552	Competitive Bidding
85	Nail File		Basic Cosmetology	12 No.	0.00046	0.00552	Competitive Bidding
86	Nail Cutter		Basic Cosmetology	12 No.	0.000575	0.0069	Competitive Bidding
87	Plain Switches		Basic Cosmetology	12 No.	0.000748	0.00897	Competitive Bidding
88	Switch Stand		Basic Cosmetology	12 No.	0.002875	0.0345	Competitive Bidding
89	Towel (Large & Medium)		Basic Cosmetology	12 No.	0.00115	0.0138	Competitive Bidding
90	Napkin		Basic Cosmetology	12 No.	0.00069	0.00828	Competitive Bidding
91	Hair Accessories		Basic Cosmetology	12 No.	0.000518	0.00621	Competitive Bidding

92	Make-up Brush set	11 in one	Basic Cosmetology	12 No.	0.000575	0.0069	Competitive Bidding
93	Pack & Bleach Brush		Basic Cosmetology	12 No.	0.000575	0.0069	Competitive Bidding
94	Hair cutting Scissors		Basic Cosmetology	12 No.	0.001725	0.0207	Competitive Bidding
95	Wax applicator		Basic Cosmetology	12 No.	0.000575	0.0069	Competitive Bidding
96	Black Head Remover		Basic Cosmetology	12 No.	0.00575	0.069	Competitive Bidding
97	Braid		Basic Cosmetology	12 No.	0.000575	0.0069	Competitive Bidding
98	Bob Pins		Basic Cosmetology	12 No.	0.002875	0.0345	Competitive Bidding
99	Juda Pins		Basic Cosmetology	12 No.	0.00276	0.03312	Competitive Bidding
100	Setting clips		Basic Cosmetology	12 No.	0.002875	0.0345	Competitive Bidding
101	Lab Coat		Basic Cosmetology	12 No.	0.004025	0.0483	Competitive Bidding
102	Manicure Set		Basic Cosmetology	12 No.	0.002875	0.0345	Competitive Bidding
103	Pedicure Set		Basic Cosmetology	12 No.	0.002875	0.0345	Competitive Bidding
104	Cutting Sheet		Basic Cosmetology	12 No.	0.001725	0.0207	Competitive Bidding
105	Barber Scissors		Basic Cosmetology	1 No.	0.001725	0.001725	Competitive Bidding
106	Thinning Scissors		Basic Cosmetology	1 No.	0.001725	0.001725	Competitive Bidding
107	Velcro Rollers	Large, medium, & small	Basic Cosmetology	1dz.each	0.002875	0.002875	Competitive Bidding
108	Perm rollers (Star Perm, Ladder Perm, spiral rods, Chop sticks, Wooden rollers)	different sizes Small, medium, large	Basic Cosmetology	1 dz. Each	0.002875	0.002875	Competitive Bidding
109	Dust Brush		Basic	1 No.	0.00115	0.00115	Competitive Bidding

			Cosmetology				
110	Dye Brush		Basic Cosmetology	1 No.	0.000345	0.000345	Competitive Bidding
111	Back View Mirror		Basic Cosmetology	1 No.	0.00115	0.00115	Competitive Bidding
112	Cutting sheet		Basic Cosmetology	1 No.	0.001725	0.001725	Competitive Bidding
113	Dye Bowl		Basic Cosmetology	1 No.	0.00069	0.00069	Competitive Bidding
114	Professional Hairbrushes set		Basic Cosmetology	1 set	0.0023	0.0023	Competitive Bidding
115	Scalp steamer		Basic Cosmetology	1 No.	0.00552	0.00552	Competitive Bidding
116	Hot Rollers		Basic Cosmetology	1 Set	0.023	0.023	Competitive Bidding
117	Dummy head on stand with slip on		Basic Cosmetology	1 No.	0.0115	0.0115	Competitive Bidding
118	Dryer		Basic Cosmetology	1 No.	0.00575	0.00575	Competitive Bidding
119	Crimper		Basic Cosmetology	1 no for 5 stations	0.0161	0.0161	Competitive Bidding
120	Mirror Panel		Basic Cosmetology	1 No.	0.92	0.92	Competitive Bidding
121	Styling Chair (multipurpose for hair & beauty services)		Basic Cosmetology	1 No.	0.138	0.138	Competitive Bidding
122	Shampoo Station with chair		Basic Cosmetology	1 no for 5 stations	0.0575	0.0575	Competitive Bidding
123	Hair Trolley		Basic Cosmetology	01 No.	0.0115	0.0115	Competitive Bidding
124	Ceramic Straightening Iron		Basic Cosmetology	1 No.	0.0161	0.0161	Competitive Bidding
125	Curling Rods with attachments		Basic Cosmetology	1 no for 5 stations	0.01035	0.01035	Competitive Bidding

126	Neck Tray (for perming)		Basic Cosmetology	1 No.	0.002875	0.002875	Competitive Bidding
127	Rebonding Boards		Basic Cosmetology	1 set	0.000575	0.000575	Competitive Bidding
128	Benders		Basic Cosmetology	1 dz.	0.000115	0.000115	Competitive Bidding
129	Hood Dryer		Basic Cosmetology	1 no for 5 stations	0.115	0.115	Competitive Bidding
130	Magnifying lamp		Basic Cosmetology	1 no for 5 stations	0.05175	0.05175	Competitive Bidding
131	Vapozone		Basic Cosmetology	1 no for 5 stations	0.069	0.069	Competitive Bidding
132	Beauty Studio	(Ultrasonic/Galvanic/High Frequency, Brushing unit, Vacuum & Spray)	Basic Cosmetology	1 no for 5 stations	0.69	0.69	Competitive Bidding
133	High frequency		Basic Cosmetology	1 No	0.069	0.069	Competitive Bidding
134	EMS Machine		Basic Cosmetology	1 no for 5 stations	0.4025	0.4025	Competitive Bidding
135	Infra red Lamp		Basic Cosmetology	1 No.	0.005175	0.005175	Competitive Bidding
136	Wax heater		Basic Cosmetology	1 No.	0.00575	0.00575	Competitive Bidding
137	Beauty Trolleys		Basic Cosmetology	1 No.	0.0138	0.0138	Competitive Bidding
138	Facial Bed		Basic Cosmetology	1 No.	0.0575	0.0575	Competitive Bidding
139	Manicure Bowls		Basic Cosmetology	1 No	0.001725	0.001725	Competitive Bidding
140	Pedi spa tub		Basic Cosmetology	1 No	0.023	0.023	Competitive Bidding
141	Manicure stools		Basic	1 No.	0.0092	0.0092	Competitive Bidding

			Cosmetology				
142	Manicure table		Basic Cosmetology	1 No.	0.023	0.023	Competitive Bidding
143	Pedi stool		Basic Cosmetology	1 No.	0.00575	0.00575	Competitive Bidding
144	Manicure Trolley		Basic Cosmetology	1 No.	0.0138	0.0138	Competitive Bidding
145	Dry Sterilizer	(Ultra Violet)	Basic Cosmetology	1 no for 5 stations	0.0345	0.0345	Competitive Bidding
146	Boiler		Basic Cosmetology	01 No.	0.0069	0.0069	Competitive Bidding
147	Front wash Basin		Basic Cosmetology	1 no for 5 stations	0.0575	0.0575	Competitive Bidding
148	Curtain/Blinds for Lab		Basic Cosmetology	As required	0.00575	0.00575	Competitive Bidding
149	Blanket		Basic Cosmetology	1 No	0.00575	0.00575	Competitive Bidding
150	Hot towel cabinet		Basic Cosmetology	1 no for 5 stations	0.1725	0.1725	Competitive Bidding
151	Desktop Computer	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.	Basic Cosmetology	01 No.	0.575	0.575	Competitive Bidding
152	Computer Table		Basic Cosmetology	01 No.	0.02875	0.02875	Competitive Bidding
153	Heat Convector		Basic	04 Nos.	0.01725	0.069	Competitive Bidding

			Cosmetology				
154	Air conditioner split	2 ton with stabilizer	Basic Cosmetology	As Required	0.69	0.69	Competitive Bidding
155	Student Lockers	1 per student	Basic Cosmetology	24 No.	0.00575	0.138	Competitive Bidding
156	Refrigerator	165 Ltr.	Basic Cosmetology	1 No.	0.1725	0.1725	Competitive Bidding
157	Almirah		Basic Cosmetology	1 no for 5 stations	0.115	0.115	Competitive Bidding
158	Teacher's Chair and table set		Basic Cosmetology	1 No.	0.115	0.115	Competitive Bidding
159	Black head remover		Basic Cosmetology	1 No.	0.00575	0.00575	Competitive Bidding
160	Display board	minimum 3 x 4 feet size	Basic Cosmetology	As Required	0.0575	0.0575	Competitive Bidding
161	Wet Sterilizer		Basic Cosmetology	1 no for 5 stations	0.0345	0.0345	Competitive Bidding
162	Student's chair with flap		Basic Cosmetology	25 (24+1) Nos.	0.0138	0.345	Competitive Bidding
163	Teacher's Table and chair set		Basic Cosmetology	01 No.	0.115	0.115	Competitive Bidding
164	LCD Projector		Basic Cosmetology	01 No.	0.805	0.805	Competitive Bidding
165	Computer set with UPS		Basic Cosmetology	01 No.	0.6325	0.6325	Competitive Bidding
166	White Magnetic Board with felt board		Basic Cosmetology	01 No.	0.115	0.115	Competitive Bidding
167	Air conditioner split	2 ton with stabilizer	Basic Cosmetology	01 No.	0.69	0.69	Competitive Bidding
168	Display board		Basic Cosmetology	02 Nos.	0.0575	0.115	Competitive Bidding
169	Curtain/blinds for Lab.		Basic Cosmetology	16 Nos.	0.00575	0.092	Competitive Bidding

170	Yoga Mat		Basic Cosmetology	25 (24+1) Nos.	0.00345	0.08625	Competitive Bidding
171	Teacher's Chair		Basic Cosmetology	01 No.	0.0345	0.0345	Competitive Bidding
172	Teacher's Table		Basic Cosmetology	01 No.	0.0805	0.0805	Competitive Bidding
173	Curtain for Lab.		Basic Cosmetology	10 no.	0.00575	0.0575	Competitive Bidding
174	Connecting screwdriver	10 X 100 mm	Electronics Mechanical	24 Nos.	0.002875	0.069	Competitive Bidding
175	Neon tester 500 V.	500 V	Electronics Mechanical	16 Nos.	0.00069	0.01104	Competitive Bidding
176	Screw driver set	Set of 7	Electronics Mechanical	24 Nos.	0.00322	0.07728	Competitive Bidding
177	Insulated combination pliers	150 mm	Electronics Mechanical	16 Nos.	0.00184	0.02944	Competitive Bidding
178	Insulated side cutting pliers	150mm	Electronics Mechanical	20 Nos.	0.00161	0.0322	Competitive Bidding
179	Long nose pliers	150mm	Electronics Mechanical	16Nos.	0.001495	0.02392	Competitive Bidding
180	Soldering iron	25 Watt, 240 Volt	Electronics Mechanical	24 Nos.	0.00276	0.06624	Competitive Bidding
181	Electrician knife	100 mm	Electronics Mechanical	16 Nos.	0.00092	0.01472	Competitive Bidding
182	Tweezers	150 mm	Electronics Mechanical	24 Nos.	0.00069	0.01656	Competitive Bidding
183	Digital Multimeter	(3 3/4 digit) ,4000 Counts	Electronics Mechanical	24 Nos.	0.0184	0.4416	Competitive Bidding
184	Soldering Iron Changeable bits	15 Watt, 240 Volt	Electronics Mechanical	16 Nos.	0.00368	0.05888	Competitive Bidding
185	De- soldering pump electrical heated, manual operators	230 V, 40 W	Electronics Mechanical	24 Nos.	0.00207	0.04968	Competitive Bidding
186	Steel rule graduated both in Metric and English Unit	300 mm,		4 Nos.	0.00138	0.00552	Competitive Bidding
187	Precision set of screw drivers	T5, T6, T7		2 Nos.	0.00621	0.01242	Competitive Bidding

188	Tweezers – Bend tip			2 Nos.	0.00138	0.00276	Competitive Bidding
189	Steel measuring tape	3 meter		4 Nos.	0.00368	0.01472	Competitive Bidding
190	Tools makers vice	100mm (clamp)	Electronics Mechanical	1 Nos.	0.046	0.046	Competitive Bidding
191	Tools maker vice	50mm (clamp)	Electronics Mechanical	1 Nos.	0.0345	0.0345	Competitive Bidding
192	Crimping tool (pliers)	7 in 1	Electronics Mechanical	2 Nos.	0.00552	0.01104	Competitive Bidding
193	Magneto spanner set	8 Spanners	Electronics Mechanical	2 Nos.	0.00644	0.01288	Competitive Bidding
194	File flat bastard	200 mm	Electronics Mechanical	2 Nos.	0.00483	0.00966	Competitive Bidding
195	File flat second cut	200 mm	Electronics Mechanical	2 Nos.	0.0046	0.0092	Competitive Bidding
196	File flat smooth	200 mm	Electronics Mechanical	2 Nos.	0.0046	0.0092	Competitive Bidding
197	Plier - Flat Nose	150 mm	Electronics Mechanical	4 Nos.	0.00506	0.02024	Competitive Bidding
198	Round Nose pliers	100 mm	Electronics Mechanical	4 Nos.	0.00483	0.01932	Competitive Bidding
199	Scriber straight	150 mm	Electronics Mechanical	2 Nos.	0.004025	0.00805	Competitive Bidding
200	Hammer ball pen	500 grams	Electronics Mechanical	1 No.	0.0069	0.0069	Competitive Bidding
201	Allen key set (Hexagonal -set of 9)	1 - 12 mm, set of 24 Keys	Electronics Mechanical	1 No.	0.00943	0.00943	Competitive Bidding
202	Tubular box spanner	Set - 6 - 32 mm	Electronics Mechanical	1 set.	0.0184	0.0184	Competitive Bidding
203	Magnifying lenses	75 mm	Electronics Mechanical	2 Nos.	0.00805	0.0161	Competitive Bidding
204	Continuity tester		Electronics Mechanical	6 Nos.	0.0069	0.0414	Competitive Bidding
205	Hacksaw frame adjustable	300 mm	Electronics Mechanical	2 Nos.	0.00368	0.00736	Competitive Bidding
206	Chisel - Cold - Flat	10 mm X 150 mm	Electronics Mechanical	1 No.	0.00621	0.00621	Competitive Bidding

207	Scissors	200mm	Electronics Mechanical	1 No.	0.00299	0.00299	Competitive Bidding
208	Handsaw 450mm	Hand Saw - 450 mm	Electronics Mechanical	1 No.	0.00966	0.00966	Competitive Bidding
209	Hand Drill Machine Electric with Hammer Action	13 mm	Electronics Mechanical	2 Nos.	0.02001	0.04002	Competitive Bidding
210	First aid kit		Electronics Mechanical	1 No.	0.0092	0.0092	Competitive Bidding
211	Bench Vice	Bench Vice - 125 mm	Electronics Mechanical	1 No. each	0.0575	0.138 0 0	Competitive Bidding
212		Bench Vice - 100 mm			0.046		
213		Bench Vice - 50 mm			0.0345		
214	Dual DC regulated power supply	30-0-30 V, 2 Amps	Electronics Mechanical	4 Nos.	0.0253	0.1012	Competitive Bidding
215	DC Regulated Variable Programmable DC Power Supply	0-30V/3A	Electronics Mechanical	2 Nos.	0.0276	0.0552	Competitive Bidding
216	LCR meter (Digital) Handheld		Electronics Mechanical	1 No.	0.0575	0.0575	Competitive Bidding
217	CRO Dual Trace	20 MHz (component testing facilities)	Electronics Mechanical	2 Nos.	0.253	0.506	Competitive Bidding
218	Signal Generator with Digital Display for Frequency Amplitude	10 Hz to 100 Khz, 50/600 Ohms (output impedance)	Electronics Mechanical	2 Nos.	0.046	0.092	Competitive Bidding
219	Battery Charger	0 - 6 - 9 - 12 - 24 - 48 V, 30 Amp	Electronics Mechanical	1 No.	0.02645	0.02645	Competitive Bidding
220	Analog multimeter		Electronics Mechanical	4 Nos.	0.0069	0.0276	Competitive Bidding
221	Clamp meter	0 - 10 A	Electronics Mechanical	2 Nos.	0.0046	0.0092	Competitive Bidding
222	Function generator (DDS Technology (Sine, Square, Triangle, Ramp, Pulse, Serial Data, TTL and Modulation.)	1 mHz -10 MHz Function-Pulse – Modulation Generator with Built in 40MHz Frequency Counter	Electronics Mechanical	2 Nos.	0.0161	0.0322	Competitive Bidding
223	Dimmer starter	3 Amps	Electronics Mechanical	2 Nos.	0.023	0.046	Competitive Bidding
224	Autotransformer	15 Amps	Electronics	2 Nos.	0.046	0.092	Competitive Bidding

			Mechanical				
225	Analog Component Trainer	Breadboard for Circuit design with necessary DC /AC power supply: Sine, Square, Triangle Modulating Signal Generator and Simulation Software	Electronics Mechanical	4 Nos.	0.0575	0.23	Competitive Bidding
226	Milli Ammeter (AC)	0 – 200 mA	Electronics Mechanical	2 Nos.	0.0069	0.0138	Competitive Bidding
227	Milli Ammeter (DC)	0 – 500 mA	Electronics Mechanical	2 Nos.	0.00575	0.0115	Competitive Bidding
228	Op Amp trainer		Electronics Mechanical	2 Nos.	0.03105	0.0621	Competitive Bidding
229	Digital IC Trainer	Breadboard for Circuit design with necessary DC Power Supply, Graphical LCD, Clock Frequency 4 different steps, Data Switches: 8 Nos, LED Display: 8 Nos. (TTL), Seven Segment Display, Teaching Simulation Software	Electronics Mechanical	4 Nos.	0.07475	0.299	Competitive Bidding
230	Digital IC Tester		Electronics Mechanical	1 No.	0.0276	0.0276	Competitive Bidding
231	Digital and Analog Bread Board Trainer	DC/AC Power Supply, Sine/ Square/ TTL Generator Data Switches, LED indication, LED Display: 8 in Nos Simulation/Teaching Content through software	Electronics Mechanical	6 Nos.	0.0391	0.2346	Competitive Bidding
232	Rheostats various values and ratings		Electronics Mechanical	2 Nos. each	0.023	0.046	Competitive Bidding
233	POWER ELECTRONICS TRAINER with at least 6 no's of application board MOSFET Characteristics SCR Characteristics SCR Lamp Flasher SCR Alarm Circuit		Electronics Mechanical	4 No.	0.0805	0.322	Competitive Bidding

	Series Inverter Single Phase PWM Inverter						
234	Computers in the assembled form (including cabinet, motherboards, HDD, DVD, SMPS, Monitor, KB, Mouse, LAN card, Blu-Ray drive and player), MS Office education version.		Electronics Mechanical	4 Nos.	0.46	1.84	Competitive Bidding
235	Laptops latest configuration		Electronics Mechanical	1 No.	0.2875	0.2875	Competitive Bidding
236	Laser jet Printer		Electronics Mechanical	1 No.	0.138	0.138	Competitive Bidding
237	INTERNET BROADBAND CONNECTION		Electronics Mechanical	1 No.	0.02875	0.02875	Competitive Bidding
238	Electronic circuit simulation software with 6 user licenses	Circuit Design and Simulation Software with PCB Design with Gerber and G Code Generation, 3D View of PCB, Breadboard View, Fault Creation and Simulation.	Electronics Mechanical	1 No.	0.184	0.184	Competitive Bidding
239	Different types of electronic and electrical cables, connectors, sockets, terminations.		Electronics Mechanical	As required	0.046	0.046	Competitive Bidding
240	Different types of Analog electronic components, digital ICs, power electronic components, general purpose PCBs, bread board, MCB, ELCB		Electronics Mechanical	As required	0.0575	0.0575	Competitive Bidding
241	DSO (colour)	4 Channel , 50MHz Real Time Sampling 1G Samples/Sec, 12 Mpts Memory with PC Interface USB, LAN and math function includes +, -, FFT, differential, integral, abs, log etc.	Electronics Mechanical	1 No.	0.2875	0.2875	Competitive Bidding
242	Soldering & De soldering Station		Electronics Mechanical	1 No.	0.023	0.023	Competitive Bidding
243	SMD Soldering & De soldering Station		Electronics	2 Nos.	0.046	0.092	Competitive Bidding

	with necessary accessories		Mechanical				
244	DOL starter		Electronics Mechanical	1 No.	0.0276	0.0276	Competitive Bidding
245	AC Motor Trainer Kit ¼ HP motor	Single Phase Contactors Relays MCB DOL Starter	Electronics Mechanical	1 No.	0.0989	0.0989	Competitive Bidding
246	Frequency modulator and Demodulator trainer kit	FM Modulator Type : Reactance Modulator, Varactor Modulator, VCO Based Modulator FM Demodulator type All 5 demodulation techniques Detailed teaching and learning contents through software.	Electronics Mechanical	2 Nos.	0.253	0.506	Competitive Bidding
247	PAM, PPM,PWM trainer kit		Electronics Mechanical	2 Nos.	0.0805	0.161	Competitive Bidding
248	AM/FM Commercial radio receivers		Electronics Mechanical	2 Nos.	0.023	0.046	Competitive Bidding
249	Microcontroller kits (8051) along with programming software (Assembly level Programming)	Core 8051, ready to run programmer for AT89C51/52 & 55, programming modes Key Pad and PC circuits. Detailed learning content through simulation Software.	Electronics Mechanical	4 Nos.	0.184	0.736	Competitive Bidding
250	Application kits for Microcontrollers 6 different applications	1. Input Interface : 4x4 Matrix Keypad, ASCII Key PAD, Four Input Switch 2. Display Module 16X2 LCD, Seven Segment, LED Bar Graph 3. ADC/DAC Module with most popular DC/DAC0808 4. PC Interface: RS232 & USB 5. Motor Drive: DC, Servo,	Electronics Mechanical	1 set	0.621	0.621	Competitive Bidding

		Stepper 6. DAQ: Data Acquisition to sense different sensors signals					
251	Sensor Trainer Kit Containing following Sensors 1. Thermocouple 2. RTD 3. Load Cell/ Strain Gauge 4. LVDT 5. Smoke Detector Sensors 6. Speed Sensor 7. Limit Switch 8. Photo sensors 9. Optocouplor 10. Proximity Sensor	Graphical touch LCD with inbuilt processor for viewing the output waveforms, In built DAQ, and standard processing circuits like Inverting , Non – Inverting , Power, Current , Instrumentation Differential Amplifier, F/V,V/F,V/I,I/V Converter, Sensors :RTD,NTC Thermistor,LM35 Thermocouple, Gas(Smoke) Sensor, Load cell, LVDT Sensor, Speed Sensor	Electronics Mechanical	2 Nos.	0.69	1.38	Competitive Bidding
252	Various analog and digital ICs useful for doing project works mentioned in the digital and analog IC applications modules		Electronics Mechanical	As required	0.0483	0.0483	Competitive Bidding
253	Different types of electronic and electrical cables, connectors, sockets, terminations.		Electronics Mechanical	As required	0.0253	0.0253	Competitive Bidding
254	Fiber optic communication trainer	Full Duplex Analog & Digital Trans-receiver with 660nm & 950nm, Noise Generator with variable gain, Four Seven Segment Display BER Counter, Eye Pattern.	Electronics Mechanical	2 Nos.	0.276	0.552	Competitive Bidding
255	Seven segment DPM trainer		Electronics Mechanical	6 Nos.	0.0851	0.5106	Competitive Bidding
256	LCD based DPM		Electronics Mechanical	6 Nos.	0	0	Competitive Bidding
257	SMPS of different make		Electronics	4 Nos.	0.1449	0.8694	Competitive Bidding

			Mechanical				
258	UPS trainer	PWM switching technology, Test points to measures the voltages of different sections Overall functioning of UPS Trainer, AVR transformer, UPS with load condition	Electronics Mechanical	1No.	0.0621	0.2484	Competitive Bidding
259	UPS	3KVA with backup time minimum 30 minutes	Electronics Mechanical	1 No.	0.2185	0.2185	Competitive Bidding
260	Mobile phone Trainer	2G /3G/4G Dual SIM GSM Handset. Frequency measurement and band verification. Real time Mobile Operation	Electronics Mechanical	1 No.	0.184	0.184	Competitive Bidding
261	Smart phones of different make (android/Windows)		Electronics Mechanical	4 Nos.	0.046	0.046	Competitive Bidding
262	Cell phone power source with charger chords for different cell phones		Electronics Mechanical	1 No.	0.046	0.184	Competitive Bidding
263	LCD TV (Trainer kit)	21-inch full HD LCD Color Television should support PAL/ NTSC video formats Complete block diagram of a LCD TV system, Study board indicating various sections of LCD TV along with the test points and switch faults	Electronics Mechanical	1 No.	0.023	0.023	Competitive Bidding
264	LCD TV (21")		Electronics Mechanical	2 Nos.	0.529	0.529	Competitive Bidding
265	LED TV (Trainer kit)	20-inch full HD LED Color Television, PAL/ NTSC video formats, complete block diagram of a LED TV system, Study board indicating various sections of LED TV along with the test points and switch faults Trouble shooting in different	Electronics Mechanical	1 No.	0.046	0.092	Competitive Bidding

		sections.					
266	LED TV (21")		Electronics Mechanical	2 Nos.	0.483	0.483	Competitive Bidding
267	Home theatre system		Electronics Mechanical	1No.	0.0391	0.0782	Competitive Bidding
268	Solar Training Kit/ Simulator	With built in meters for DCV, DCA, AC multifunction Meter (for ACI, ACV, Power, Frequency), Protection Circuits, BS-10 terminals for making the connection, Single/ Dual axis tracking system Charge Controller : PWM based MPPT, Charging Stage : Bulk, Absorptions and Float	Electronics Mechanical	1 No.	0.0713	0.0713	Competitive Bidding
269	LED lighting system	Measurement of Power, Voltage, Current, Power Factor and Light output performance of different lighting products like LED, CFL at variable input voltages 0 to 245V variable AC	Electronics Mechanical Electronics Mechanical	2 sets	0.23	0.23	Competitive Bidding
270	Instructor's table		Electronics Mechanical	1 No.	0.0851	0.1702	Competitive Bidding
271	Instructor's chair		Electronics Mechanical	2 Nos.	0.0713	0.0713	Competitive Bidding
272	Metal Rack	100cm x 150cm x 45cm	Electronics Mechanical	4 Nos.	0.0368	0.0736	Competitive Bidding
273	Lockers with 16 drawers standard size		Electronics Mechanical	2 Nos.	0.0391	0.1564	Competitive Bidding
274	Steel Almirah	2.5 m x 1.20 m x 0.5 m	Electronics Mechanical	2 Nos.	0.161	0.322	Competitive Bidding

275	Black board/white board		Electronics Mechanical	1 No.	0.207	0.414	Competitive Bidding
276	Fire Extinguisher		Electronics Mechanical	2 Nos.	0.01955	0.01955	Competitive Bidding
277	Fire Buckets		Electronics Mechanical	2 Nos.	0.0161	0.0322	Competitive Bidding
278	Welding helmet fiber		Welder	42	0.0092	0.3864	Competitive Bidding
279	Welding hand shield fiber		Welder	42	0.00345	0.1449	Competitive Bidding
280	Chipping hammer	with metal handle 250 Grams	Welder	42	0.001035	0.04347	Competitive Bidding
281	Chisel cold	flat 19 mm x 150 mm	Welder	42	0.004025	0.16905	Competitive Bidding
282	Centre punch	9 mm x 127 mm	Welder	42	0.00092	0.03864	Competitive Bidding
283	Dividers	200 mm	Welder	42	0.00046	0.01932	Competitive Bidding
284	Stainless steel rule	300mm	Welder	42	0.000345	0.01449	Competitive Bidding
285	Scriber	150 mm double point	Welder	42	0.000345	0.01449	Competitive Bidding
286	Flat Tongs	350mm long	Welder	42	0.001691	0.071001	Competitive Bidding
287	Hack saw frame	fixed 300 mm	Welder	42	0.00115	0.0483	Competitive Bidding
288	File half round	bastard 300 mm	Welder	42	0.006877	0.288834	Competitive Bidding
289	File flat	350 mm bastard	Welder	42	0.00414	0.17388	Competitive Bidding
290	Hammer ball pane	1 kg with handle	Welder	42	0.002875	0.12075	Competitive Bidding
291	Tip Cleaner		Welder	42	0.000322	0.013524	Competitive Bidding
292	Try square	6"	Welder	42	0.00092	0.03864	Competitive Bidding
293	Spindle key		Welder	4	0.000345	0.00138	Competitive Bidding
294	Screw Driver	300mm blade and 250 mm blade	Welder	1 EACH	0.001725	0.001725	Competitive Bidding
295	Number punch	6 mm	Welder	2 Set	0.00138	0.00276	Competitive Bidding
296	Letter punch	6 mm	Welder	2 Set	0.002473	0.004945	Competitive Bidding
297	Magnifying glass	100 mm dia.	Welder	2	0.00115	0.0023	Competitive Bidding
298	Universal Weld measuring gauge		Welder	2	0.00805	0.0161	Competitive Bidding
299	Earth clamp	600A	Welder	6	0.00575	0.0345	Competitive Bidding
300	Spanner D.E.	6 mm to 32mm	Welder	2 Set	0.006578	0.013156	Competitive Bidding
301	C-Clamps	10 cm and 15 cm	Welder	2 Each	0.00575	0.0115	Competitive Bidding
302	Hammer sledge	double faced 4 kg	Welder	1	0.00345	0.00345	Competitive Bidding
303	S.S tape	5 meters flexible in case	Welder	1	0.000575	0.000575	Competitive Bidding
304	Electrode holder	600 amps	Welder	6	0.0046	0.0276	Competitive Bidding

305	H.P. Welding torch	with 5 nozzles	Welder	2 Sets	0.014375	0.02875	Competitive Bidding
306	Oxygen Gas Pressure	regulator double stage	Welder	2	0.020125	0.04025	Competitive Bidding
307	Acetylene Gas Pressure	regulator double stage	Welder	2	0.020125	0.04025	Competitive Bidding
308	CO ₂ Gas pressure regulator	with flow meter	Welder	2 Sets	0.022368	0.044735	Competitive Bidding
309	Argon Gas pressure regulator	with flow meter	Welder	2 Sets	0.023805	0.04761	Competitive Bidding
310	Metal rack	182 cm x 152 cm x 45 cm	Welder	1	0.023	0.023	Competitive Bidding
311	First Aid box		Welder	1	0.0115	0.0115	Competitive Bidding
312	Steel lockers	with 8 Pigeon holes	Welder	2	0.05175	0.1035	Competitive Bidding
313	Steel almirah / cupboard		Welder	2	0.05175	0.1035	Competitive Bidding
314	Black board and easel with stand		Welder	1	0.0345	0.0345	Competitive Bidding
315	Flash back arrester (torch mounted)		Welder	4 Pair	0.0207	0.0828	Competitive Bidding
316	Flash back arrester (cylinder mounted)		Welder	4 Pair	0.01725	0.069	Competitive Bidding
317	Welding Transformer	with all accessories (400A, OCV 60–100 V, 60% duty cycle)	Welder	1 Set	0.322	0.322	Competitive Bidding
318	Measuring Steel Tape	5 meter	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.00138	0.05796	Competitive Bidding
319	Combination Plier Insulated	200 mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.001725	0.07245	Competitive Bidding
320	Screw Driver Insulated	4mm X 150 mm, Diamond Head	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.0023	0.0966	Competitive Bidding
321	Screw Driver Insulated	6mm X 150 mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.001725	0.07245	Competitive Bidding
322	Electrician screw driver thin stem insulated handle	4mm X 100 mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.00115	0.0483	Competitive Bidding
323	Heavy Duty Screw Driver insulated	5mm X 200 mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.0023	0.0966	Competitive Bidding
324	Electrician Screw Driver thin stem insulated handle	4mm X 250 mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.002875	0.12075	Competitive Bidding

325	Punch Centre	9mm X 150 mm	SOLAR TECHNICIAN (ELECTRICAL)	42Nos.	0.00115	0.0483	Competitive Bidding
326	Knife Double Bladed Electrician	100 mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.00023	0.00966	Competitive Bidding
327	Neon Tester	500 V	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.000575	0.02415	Competitive Bidding
328	Steel Rule Graduated both in Metric and English Unit	300 mm with precision of 1/4th mm	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.000575	0.02415	Competitive Bidding
329	Hammer, cross peen with handle	250 grams	SOLAR TECHNICIAN (ELECTRICAL)	42 Nos.	0.0046	0.1932	Competitive Bidding
330	Electrical Symbol and Accessories Charts		SOLAR TECHNICIAN (ELECTRICAL)	04 nos.	0.0023	0.0092	Competitive Bidding
331	Pipe vice Cast Iron with hardened jaw open type	100 mm	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.02875	0.0575	Competitive Bidding
332	Hand Vice	50 mm jaw	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.01725	0.0345	Competitive Bidding
333	Table Vice	100 mm jaw	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.023	0.046	Competitive Bidding
334	Hacksaw frame (with blade)	Adjustable 300 mm Fixed 150 mm	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos. Each	0.0023	0.0092	Competitive Bidding
335	File flat	200 mm 2nd cut with handle	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.0023	0.0046	Competitive Bidding
336	File half round	200 mm 2nd cut with handle	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.0023	0.0046	Competitive Bidding

337	File round	200 mm 2nd cut with handle	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.0023	0.0046	Competitive Bidding
338	Pliers long nose insulated	150 mm	SOLAR TECHNICIAN (ELECTRICAL)	4 Nos.	0.001725	0.0069	Competitive Bidding
339	Pliers flat nose insulated	200 mm	SOLAR TECHNICIAN (ELECTRICAL)	4 Nos.	0.001725	0.0069	Competitive Bidding
340	Pliers, round nose insulated	100 mm	SOLAR TECHNICIAN (ELECTRICAL)	4 Nos.	0.001725	0.0069	Competitive Bidding
341	D.E. metric Spanner Double Ended	6 - 32 mm	SOLAR TECHNICIAN (ELECTRICAL)	2 Set	0.01725	0.0345	Competitive Bidding
342	Gauge, wire imperial stainlees steel marked in SWG & mm	Wire Gauge - Metric	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.00115	0.0023	Competitive Bidding
343	Portable Electric Drill Machine	0-12 mm capacity 750W, 240V with chuck and key	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.0575	0.0575	Competitive Bidding
344	Crimping Tool	1.5 sq mm to 16 sq mm 16 sq mm to 95 sq mm	SOLAR TECHNICIAN (ELECTRICAL)	1 No. Each	0.0046	0.0092	Competitive Bidding
345	Pliers Side Cutting	150 mm	SOLAR TECHNICIAN (ELECTRICAL)	2 No.	0.0023	0.0046	Competitive Bidding
346	Wire stripper adjustable length		SOLAR TECHNICIAN (ELECTRICAL)	2 No.	0.00115	0.0023	Competitive Bidding
347	Hammer, ball peen With handle		SOLAR TECHNICIAN (ELECTRICAL)	2 No.	0.002875	0.00575	Competitive Bidding
348	Scriber (Knurled centre position)		SOLAR TECHNICIAN (ELECTRICAL)	2 No.	0.001725	0.00345	Competitive Bidding

349	Tool kit Box/bag portable		SOLAR TECHNICIAN (ELECTRICAL)	5 No.	0.0115	0.0575	Competitive Bidding
350	Allen Key		SOLAR TECHNICIAN (ELECTRICAL)	1 Set	0.00345	0.00345	Competitive Bidding
351	Scissors blade	150 mm	SOLAR TECHNICIAN (ELECTRICAL)	2 No.	0.0023	0.0023	Competitive Bidding
352	Electrical loads: set of Incandescent lamp, Tube light, CFL, LED light, Heater and Geyser	Electrical loads: set of Incandescent lamp, Tube light, CFL, LED light, Heater and Geyser	SOLAR TECHNICIAN (ELECTRICAL)	2 Set	0.115	0.23	Competitive Bidding
353	Torque wrench	8N-m to 15N-m	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.0115	0.0115	Competitive Bidding
354	Pipe Cutter to cut pipes	upto 5 cm. dia	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.0092	0.0092	Competitive Bidding
355	Pipe Cutter to cut pipes	above 5 cm dia	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.0115	0.0115	Competitive Bidding
356	Try Square	150 mm blade	SOLAR TECHNICIAN (ELECTRICAL)	2 No.	0.002875	0.00575	Competitive Bidding
357	Multi Meter (analog)	0 to 1000 M Ohms, 2V to 500 V,100 microA to 10A DC and AC	SOLAR TECHNICIAN (ELECTRICAL)	1 No	0.00575	0.00575	Competitive Bidding
358	Load Bank (variable)	Up to 1.2 KW (Lamp / heater Type)	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.01725	0.01725	Competitive Bidding
359	Wire Cutter and Stripper	150 mm	SOLAR TECHNICIAN (ELECTRICAL)	4 Nos.	0.001725	0.0069	Competitive Bidding
360	Earth Plate	60cm X 60cm X 3.15mm Copper Plate	SOLAR TECHNICIAN	1 Each	0.115	0.23	Competitive Bidding

		60cm X 60cm X 6mm GI Plate	(ELECTRICAL)				
361	Earth Electrode	Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.115	0.115	Competitive Bidding
362	Out Side Micrometer	0 - 25 mm least count 0.01mm	SOLAR TECHNICIAN (ELECTRICAL)	2 Nos.	0.0345	0.069	Competitive Bidding
363	Tap set	Different size	SOLAR TECHNICIAN (ELECTRICAL)	02 Set Each	0.0092	0.0184	Competitive Bidding
364	Trolley for Transportation of Batteries		SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.0115	0.023	Competitive Bidding
365	Die for Threading	Different sizes	SOLAR TECHNICIAN (ELECTRICAL)	02 Set	0.01725	0.0345	Competitive Bidding
366	Rooftop Mounting Structure	For 4 x 250 W solar panels mounting practice, with tilt adjustment	SOLAR TECHNICIAN (ELECTRICAL)	2 Set	0.092	0.184	Competitive Bidding
367	Electrical wiring and switch gear rack	Electrical control elements suitable for practice of control circuits using banana plugs and sockets	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.0575	0.0575	Competitive Bidding
368	Protective relays and contactors rack	suitable for practice of control circuits using banana plugs and sockets	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.23	0.23	Competitive Bidding
369	MCCB	100Amps, Triple pole	SOLAR TECHNICIAN (ELECTRICAL)	1 No.	0.0115	0.0115	Competitive Bidding
370	ELCB and RCCB	25Amps, double pole and 25Amps, double pole, IΔn 30 mA	SOLAR TECHNICIAN (ELECTRICAL)	1 Each	0.0345	0.069	Competitive Bidding
371	Fuses	HRC Glass Rewire Type	SOLAR TECHNICIAN (ELECTRICAL)	4 Each	0.0115	0.046	Competitive Bidding
372	Cables:	1 mtr each	SOLAR	1 Each	0.069	0.069	Competitive Bidding

	Twisted Pair Nonmetallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable		TECHNICIAN (ELECTRICAL)				
373	Solar cable (Red)	5 square mm	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.02875	0.02875	Competitive Bidding
374	Solar cable (Black)	5 square mm	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.02875	0.02875	Competitive Bidding
375	Three core wire	(230 V, 15 A)	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.0115	0.0115	Competitive Bidding
376	Battery cable	sqmm 7.5	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.01265	0.01265	Competitive Bidding
377	Resin cored Solder		SOLAR TECHNICIAN (ELECTRICAL)	As required	0.0115	0.0115	Competitive Bidding
378	Solder wax		SOLAR TECHNICIAN (ELECTRICAL)	As required	0.0115	0.0115	Competitive Bidding
379	MC – 4 connector		SOLAR TECHNICIAN (ELECTRICAL)	As required	0.00575	0.00575	Competitive Bidding
380	pins	5 mm	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.00023	0.0115	Competitive Bidding
381	lugs	mm 7.5	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.000115	0.0115	Competitive Bidding
382	Hacksaw blades	300 mm 200 mm,	SOLAR TECHNICIAN (ELECTRICAL)	As required	0.00023	0.023	Competitive Bidding

383	Bolts, nuts, anchor bolts, washers, screws, other pins, lugs etc		SOLAR TECHNICIAN (ELECTRICAL)	As required	0.0115	0.0115	Competitive Bidding
384	Civil work utensils	spade, mixing spoon, leveling plates	SOLAR TECHNICIAN (ELECTRICAL)	1 Set	0.023	0.023	Competitive Bidding
385	Plumbing tools		SOLAR TECHNICIAN (ELECTRICAL)	1 Set	0.0575	0.0575	Competitive Bidding
386	Plumbing raw materials		SOLAR TECHNICIAN (ELECTRICAL)	As required	0.046	0.046	Competitive Bidding
387	Civil work raw materials		SOLAR TECHNICIAN (ELECTRICAL)	As required	0.046	0.046	Competitive Bidding
388	Multimeter	Digital 0 to 1000 M Ohms, 2V to 700 V, 100 microA to 10A DC and AC	SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.0115	0.023	Competitive Bidding
389	Megger	Analog - 500 V	SOLAR TECHNICIAN (ELECTRICAL)	01 Nos.	0.01725	0.01725	Competitive Bidding
390	Hydrometer		SOLAR TECHNICIAN (ELECTRICAL)	04 Nos.	0.0023	0.0092	Competitive Bidding
391	Solar Insulation meter		SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.023	0.046	Competitive Bidding
392	Pyranometer		SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.345	0.345	Competitive Bidding
393	Pyrheliometer		SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.575	0.575	Competitive Bidding
394	Lux meter	Lux meter LCD read out 0.05 to 7000 Lumens with battery.	SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.046	0.092	Competitive Bidding

395	Magnetic Flux Meter	0-500 tesla	SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.046	0.092	Competitive Bidding
396	Tong Tester / Clamp Meter	0 - 100 A (Digital Type)	SOLAR TECHNICIAN (ELECTRICAL)	01 Nos.	0.0345	0.0345	Competitive Bidding
397	Soldering Iron	25 Watt, 65 Watt and 120 Watt, 230 Volt	SOLAR TECHNICIAN (ELECTRICAL)	02 Nos. Each	0.0115	0.023	Competitive Bidding
398	Temperature controlled Soldering Iron	50 Watt, 230 Volt	SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.00575	0.0115	Competitive Bidding
399	Thermometer Digital	0° C - 150° C	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.0023	0.0023	Competitive Bidding
400	Sun Shine recorder		SOLAR TECHNICIAN (ELECTRICAL)	02 No.	0.1725	0.345	Competitive Bidding
401	Weather monitoring station	To monitor and record Sunshine, wind velocity, temperature, rainfall etc with software.	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	1.15	1.15	Competitive Bidding
402	Solar cell based sunlight radiation meter	For Solar power measurement up to 2000 w/square meter	SOLAR TECHNICIAN (ELECTRICAL)	02 No.	0.2185	0.437	Competitive Bidding
403	Magnetic compass		SOLAR TECHNICIAN (ELECTRICAL)	04 No.	0.0046	0.0184	Competitive Bidding
404	Cut models of photo voltaic cell assembly		SOLAR TECHNICIAN (ELECTRICAL)	02 Nos.	0.000265	0.000529	Competitive Bidding
405	Cut model of Lead acid battery		SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.115	0.115	Competitive Bidding
406	Lead Acid battery	12V, 40Ah, 75Ah	SOLAR TECHNICIAN	01 Each	0.115	0.115	Competitive Bidding

			(ELECTRICAL)				
407	Lead Acid battery	12V, 100 Ah	SOLAR TECHNICIAN (ELECTRICAL)	04 Nos.	0.1035	0.414	Competitive Bidding
408	Solar simulator for solar cell characteristic study	To study IV curve of a solar cell of minimum 2 watt under variable illumination, temperature and suitable load	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.115	0.115	Competitive Bidding
409	IV Curve tester		SOLAR TECHNICIAN (ELECTRICAL)	01 No.	2.3	2.3	Competitive Bidding
410	Sun path finder	VT-SL 509	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.575	0.575	Competitive Bidding
411	Solar energy trainer with grouping of solar cells	To group (series or parallel) at least six solar cells each with minimum 2 W with suitable loads	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.37375	0.37375	Competitive Bidding
412	Solar tracker demonstrator kit	To study manual and automatic control of 10 W solar panel in East-west and North-south & back	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.0115	0.0115	Competitive Bidding
413	Solar PV e-learning software using animations for training		SOLAR TECHNICIAN (ELECTRICAL)	01 License	2.3	2.3	Competitive Bidding
414	Halogen lamp with stand for illumination of solar panels in lab	AC mains operated to provide 0 to 1000 watts per meter square	SOLAR TECHNICIAN (ELECTRICAL)	02 Set	0.0575	0.115	Competitive Bidding
415	Motorized Bench Grinder	AC mains operated	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.1725	0.1725	Competitive Bidding
416	Battery Charger	0 - 6 - 9 - 12 - 24 - 48 V, 30amp	SOLAR TECHNICIAN (ELECTRICAL)	01 No.	0.0575	0.0575	Competitive Bidding
417	Solar photovoltaic module	75 W mono crystalline module	SOLAR	01 Each	0.046	0.4048	Competitive Bidding

418		75 W amorphous silicon module	TECHNICIAN (ELECTRICAL)		0.04255		
419		250 W thin film module			0.08625		
420		5W, 10W, 40W poly crystalline module				0.23	
421	Solar panels	250 Wp	SOLAR TECHNICIAN (ELECTRICAL)	04 Nos.	0.092	0.368	Competitive Bidding
422	Desktop Computer	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.	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	12 Nos. (For Trainee) + 1 No. for Instructor	0.575	6.9	Competitive Bidding
423	Server for LAN	CPU: 32/64 bit i7 processor or Higher with PCI Express Video Card, RAM:-8 GB DDR-III or Higher Hard Disk Drive: 1 TB or Higher 22" TFT Monitor, Keyboard, Mouse, DVD OR BLU- RAY WRITER , Licensed of OS - Server Edition Internet, Antivirus / Total Security - Server Edition & UPS for Power Back up..	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	0.69	0.69	Competitive Bidding
424	Wi-Fi Router	With Wireless Connectivity	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	0.0345	0.0345	Competitive Bidding
425	Switch	24 Port	MULTIMEDIA,	1 No.	0.023	0.023	Competitive Bidding

			ANIMATION AND SPECIAL EFFECTS				
426	Structured cabling in Lab	to enable working with Wired Networks for Practical	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	As required	0.001725	0.001725	Competitive Bidding
427	Internet Connectivity	Broadband connection with min. 2 mbps speed	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	As required	0.0115	0.0115	Competitive Bidding
428	Registered Domain	at least 100 MB Web Space	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	As required	0.02875	0.02875	Competitive Bidding
429	Colour Laser Printer	Colour A4 Size	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	0.3105	0.3105	Competitive Bidding
430	Network Laser Printer	Monochrome A4 Size	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	0.5175	0.5175	Competitive Bidding
431	Optical Scanner	Flatbed A4	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	0.069	0.069	Competitive Bidding
432	Digital Web Cam	High Resolution (3.1 mp or higher)	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	4 Nos.	0.1495	0.598	Competitive Bidding
433	DVD or Blu-Ray Writer	24X or higher external (usb)	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	2 Nos.	0.04025	0.0805	Competitive Bidding
434	LCD Projector	3000 lumens or higher	MULTIMEDIA,	1 No.	1.15	1.15	Competitive Bidding

			ANIMATION AND SPECIAL EFFECTS				
435	Projector Screen	matte(antiglare) screen	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	1.3225	1.3225	Competitive Bidding
436	UPS		MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	As Required	0.0345	0.4485	Competitive Bidding
437	Crimping Tool	RJ-45	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	5 Nos.	0.0092	0.046	Competitive Bidding
438	Network Rack	4U for 24 port	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	1 No.	0.03795	0.03795	Competitive Bidding
439	Digital Multimeters	3.5 digit handheld type.	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	4 Nos.	0.01955	0.0782	Competitive Bidding
440	Screw Driver Set	Standard	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	4 Sets	0.00805	0.0322	Competitive Bidding
441	Mini Dongle for Bluetooth devices Connection	USB	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	4 Nos.	0.01725	0.069	Competitive Bidding
442	Headphone & mic. set	Wired	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	5 Nos.	0.01725	0.08625	Competitive Bidding
443	Sound System	4:1	MULTIMEDIA,	2 Nos.	0.0575	0.115	Competitive Bidding

			ANIMATION AND SPECIAL EFFECTS				
444	External Hard Disk	1 TB	MULTIMEDIA, ANIMATION AND SPECIAL EFFECTS	2 Nos.	0.092	0.184	Competitive Bidding

3. Training of Teaching and management staff :- (Rs. 1.5 Lakh)

Sr. No.	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate/Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding)
1	Hiring of motivational speaker/Professional trainer/Expert for training of trainer's	Topic to be covered in Training <ul style="list-style-type: none"> • Capacity Building • Positive attitude and aptitude • Initiative, creative and innovative approach 	All Technical and administrative staff	30-50 HRS	2500/-hr	1.5	Competitive Bidding

		<ul style="list-style-type: none"> • Presentation preparation • Personality development and body language • Time management and planning 					
2	Travel expenses boarding & lodging and other expenses/ allowances for teaching and management staff as per applicable norms and rules.	As per applicable norms and rules.	All Technical and administrative staff				As per applicable norms and rules.

4. Information & communication Technology (ICT) Infrastructure:- (Rs. 1.0 Lakh)

Sr. No.	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate/Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding)
1	Procurement of interactive boards for improved teaching and learning aids / procurement of trades specific teaching and learning material.		All trades under STRIVE			1.0	Competitive Bidding/Shopping

5. Purchase of books and other learning materials :- (Rs. 1.0 Lakh)

Sr. No.	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate/Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding)
1	Purchase of print and digitalized books & e-journals. CDs or other leaning materials related to the trades being offered, soft skills or employment prospects of trainees.		All trades under STRIVE			1.0	Competitive Bidding/Shopping

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6. Facilities for Trainees:- (Rs. 6.5 Lakh)

Sr. No.	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate/Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding)
1	Reimbursement of transport charges to women trainees and hiring of vehicle for transportation of trainees to industry premises for OJT.		All trainees of institute			6.5	Competitive Bidding/Shopping
2	Hiring of motivational speaker/Professional trainer/Expert for training of trainee's	Topic to be covered in Training <ul style="list-style-type: none"> • Motivation and behavior • Communication skill • Personality development • Preparation for Interview and Group discussion • Improvement in Confidence • Team work • Discipline • Career development • Problem solving and decision making • Basic knowledge about industry (Safety, kaizen, PPEs, 5S, 3R, 7 waste etc.) 	All trainees of institute	30-50 HRS	2500/-hr		