

Procurement Plan under STRIVE Scheme for the year 2021-22

ELECTRICIAN TRADE

S.NO	NAME OF THE STORE EQUIPMENT (BRIEF SPECIFICATION OF ITEMS)	NAME OF THE TRADE WHICH ITEM REQUIRED	TOTAL QUANTITY REQUIRED AS PER	QUANTITY HELD AT PERCENT	BALANCE QUANTITY TO BE PURCHASE	IF NOT,GIVE REASON	WHEATHER INCLUDED IN STANDARD	IF YES, MENTALION SR.NO.	ESTIMATE FOR FINANCIAL SANCTION IS REQUIRED	REMARKS
A. TRAINEES TOOL KIT FOR 16 TRAINEES +1 INSTRUCTOR										
1	Pully Puller with 3 legs 150mm & 300 mm	ELECTRICIAN	1 each	1 No	1 No of 300mm	As per new syllabus NSQF-5		23	800	
2	Bearing Puller inside and outside 200mm	ELECTRICIAN	1 each	1 No	1 No of 200mm	As per new syllabus NSQF-5		24	800	
3	Crimping Tool 1.5 sq mm to 16 sq mm	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5		28	1000	
4	Crimping Tool 16 sq mm to 95 sq mm	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5		28	2000	
5	Wire stripper 150mm	ELECTRICIAN	4 Nos	1 No	3 Nos	As per new syllabus NSQF-5		29	240	
6	Pliers long nose 150 mm	ELECTRICIAN	4 Nos	1 No	3 Nos	As per new syllabus NSQF-5		37	600	
7	Drill hand brace 0-100mm	ELECTRICIAN	4 Nos	2 Nos	2 Nos	As per new syllabus NSQF-5		43	400	
8	Drill SS Twist Block (2mm,5mm,6mm set of 3	ELECTRICIAN	4 set	1 No	3 Nos	As per new syllabus NSQF-5		44	600	
9	gauge wire	ELECTRICIAN	4 Nos	2 Nos	2 Nos	As per new syllabus NSQF-5		47	200	
10	a. Cut out Relays 16A,440V	ELECTRICIAN	2 Nos each	1 No each	1 No each	As per new syllabus NSQF-5		64	2000	
	b. Reverse current 16A,440V	ELECTRICIAN							2000	
	c. Over current 16A,440V	ELECTRICIAN							2000	
	d. Under voltage 360V-440V	ELECTRICIAN							2000	
11	Out Side Micrometer 0-25mm least count 0.01mm	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5		72	900	
12	Thermometer Digital 0-150 C	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5		73	3000	
13	Earth Plate 60cm X 60cm X 3.15mm Copper Plate 60cmX60cmX6mm GI Plate	ELECTRICIAN	1No each	Nil	1No each	As per new syllabus NSQF-5		78		
14	Earth Electrode Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5		79	5500	
15	MCCB 100Amps,Tripplle pole	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5		80	3000	

16	ELCB and RCCB 25 Amp double pole and 25 amp double pole I 30mA	ELECTRICIAN	1No each	Nil	1No each	As per new syllabus NSQF-5	81	6000
17	Fuses HRC and Glass Rewire type	ELECTRICIAN	4No each	Nil	4No each	As per new syllabus NSQF-5	82	250
18	Capacitors-Electrolyte ,Ceramic ,Polyster film,Variable , Dual run	ELECTRICIAN	2 Nos each	Nil	2 Nos each	As per new syllabus NSQF-5	84	700
19	Laboratory Type Induction Coil ,1000W	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	71	3500
20	Various Lamps-low pressure sodium lamp	ELECTRICIAN	1No	Nil	1No	As per new syllabus NSQF-5	86	3500
21	Cables Twisted pair,Non metallic Sheathed cable,underground feeder cable ribbon cable,Metalic sheathed cable ,Multi conductor cable ,Coaxial Cable ,Direct Buried Cable	ELECTRICIAN	1 Meter each	Nil	1 Meter each	As per new syllabus NSQF-5	88	500
22	Bus Bar with Bract - 1 Mtr each	ELECTRICIAN	3 Nos	Nil	3 Nos	As per new syllabus NSQF-5	89	7800
23	Electrician Helmet Yellow Color	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	91	800
24	RCC Pole with Accessories (MS Angle Iron , C clamp , Stay Insulators etc. and materials 6 Mtr	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	92	10000
25	Safety belt Standard quality	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	93	1200
26	Digital Multimeter	ELECTRICIAN	10 Nos	2 Nos	8 Nos	As per new syllabus NSQF-5	95	10000
27	AC Starters - Resistance type , Semi auto star delta starter ,fully auto Star delta starter,soft S-D starter -(for AC motor of 2 to 5 HP)	ELECTRICIAN	1No each	Nil	1No each	As per new syllabus NSQF-5	118	14000
28	Single phase variable Auto (0-270V,10 Amp air cooled)	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	115	3000
29	Phase sequency Indicator 3 phase 415 V	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	116	3000
30	Tong tester 0-100 Amp digital type	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	110	2000
31	Megger analog 500 Volt	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	111	5000
32	Tachometer Analog type 10000RPM	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	108	2000
33	Lux meter led read out 0.05 to 7000lumens with battery	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	107	2000
34	Wheatstone bridge with galvanometer and battery	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	114	3000

35	Power factor meter Digital 440V, 20 Amp, 3 Phase portable box type	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	104	3000
36	Kilo wattmeter 1-1.5-3 KW pressure coil rating 240V/440, current rating 5 Amp/10 Amp analog portable type housed in bakelite case	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	100	2800
37	Digital Wattmeter 230 V, 1 KW, 50 Hz	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	101	3800
38	Frequency meter 45 to 55 Hz	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	105	800
39	AC voltmeter MI analog portable housed in bakelite case (75V-150V-300V-600V)	ELECTRICIAN	3 Nos	Nil	3 Nos	As per new syllabus NSQF-5	96	1800
40	Milivoltmeter centre zero analog portable housed in bakelite case (100-0-100)	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	97	1800
41	Ammeter MC analog portable box type housed in bakelite case (0-500mA, 0-10A)	ELECTRICIAN	2 Nos each	Nil	2 Nos each	As per new syllabus NSQF-5	98	1800
42	AC Ammeter MI analog portable box type housed in bakelite case (0-1A, 0-10A)	ELECTRICIAN	2 Nos each	Nil	2 Nos each	As per new syllabus NSQF-5	99	1800
43	Electric Induction Plate 1500 Watt, 240V	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	126	2000
44	current transformer 415V, 50Hz ct Ratio 25/5A, 5VA	ELECTRICIAN	2Nos	1No	1No	As per new syllabus NSQF-5	132	1000
45	Potential transformer 415V, 50Hz PT Ratio, 440V/110V, 10VA	ELECTRICIAN	2Nos	1No	1No	As per new syllabus NSQF-5	133	1500
46	Manual Motor coil winding machine (with step arbor)	ELECTRICIAN	1 No	Nil	1No	As per new syllabus NSQF-5	159	18000
47	ceiling fan coil winding machine (250V, 50Hz, 1 phase with speed control)	ELECTRICIAN	1 No	Nil	1No	As per new syllabus NSQF-5	160	22000
48	Primary current injection set (250V, 50Hz, 1 phase output current)	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	161	55000
49	Fire Extinguisher CO2	ELECTRICIAN	2 Nos	1 No	1 NO	As per new syllabus NSQF-5	72	4000
50	Measuring Steel Tape	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	66	400
51	Combination Plier Insulated	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	102	1200
52	Screw Driver Insulated	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	103	3200
53	Electrician screw driver thin stem insulated handle	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	122	5000
54	Heavy Duty Screw Driver Insulated	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	123	10000
55	Electrician screw driver thin stem insulated handle	ELECTRICIAN	2 Nos	1 No	1 No	As per new syllabus NSQF-5	134	70000
56	Punch Centre	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	135	5000
57	Knife Double Bladed Electrician	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	128	16000
58	Neon Tester	ELECTRICIAN	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	83	2000

59	Steel Rule Graduated both in Metric and English Unit	ELECTRICIAN	1 No	Nil	1 No	As per new syllabus NSQF-5	156	6000	
60	Hammer, cross peen with handle	ELECTRICIAN	2	Nil		As per new syllabus NSQF-6			
61	Discrete component trainer	ELECTRICIAN	2	Nil		As per new syllabus NSQF-7			
62	Rheostate 0-300ohm,1A	ELECTRICIAN	1	Nil		As per new syllabus NSQF-8			
63	Bench Grinder Motorized 1 HP,3 Phase double side with smooth & rough wheel with tool base	ELECTRICIAN	1	Nil		As per new syllabus NSQF-9			
64	12V,180Amp Battery (Lead Acid) for Inverter	ELECTRICIAN	1	Nil		As per new syllabus NSQF-10			

Mechanic Motor Vehicle

S.No	S. No as Per Priority	Name of Equipment item	Specification	Quantity be purchased
1	28	Battery –charger	Capable to charge batteries from 5AH 150AH.	2
2	35	Compression testing gauge	suitable for diesel Engine with standard accessories	1
3	39	Cylinder liner- Dry & wet liner, press fit & slide fit liner		1each
4	49	Engineers stethoscope		
5	75	Injector testing set	(Hand tester)	1
6	82	Oil can	0.5/0.25 liter capacity	1
7	84	Outside micrometer	0 to 25 mm	2
8	85	Outside micrometer	25 to 50 mm	1
9	90	Piston Ring expander and remover.		1
10	91	Piston Ring groove cleaner.		1
11	95	Portable electric drill Machine	Up to 10mm (heavy duty)	1
12	103	Scriber with scribing black universal		1
13	108	Sp ark plug spanner 14mm x18mm x Size	Long bit for Alto/800	1
14	112	Straight edge gauge 2 ft.		1
15	113	Stud extractor set of 3		2
16	118	Thermostat		1
17	119	Thread pitch gauge Metric		2
18	120	Timing lighter		1
19	126	Vacuum gauge	0 to 760 mm of Hg.	1
20	129	Vernier calliper	0-300 mm with least count 0.02mm	1
21	139	Cut section models of shock absorbers		3
				1

22	145	Demonstration board of electronic Ignition system, ignition coil	With HT coil, HT wires, Spark Plugs, ignition switch, coil, distributor, Battery and wiring.	1
23	146	Demonstration board of MPFI system	With injectors, rail, inlet manifold, throttle body, Distributor, ECU, purge valve, sensor, crank pulley, fuel tank module. By rotating the distributor, spark from plugs and spray from injectors with glowing LEDs/any other Light can be demonstrated as per firing order of the engine.	1
24	151	Functional/experiment model of different Type of sensors.	With Different type of sensors like Throttle Position Sensor, Manifold Absolute Pressure Sensor, Engine Coolant Temperature Sensor, Vehicle Speed Sensor, Oxygen Sensor, Crankshaft Position Sensor, Camshaft Position Sensor, Intake Air Temperature Sensor, Mass Air Flow Sensor, Knock Sensor with ECU.	1
25	154	Tandem master cylinder with booster	Working model with TMC& Booster, alternator driven vacuum pump, brake oil reservoir, two Brake drums, pedal, hoses.	1
26	158	Working Model of power windows	Showing parts like door, glass with motor and its Gear arrangement and operating switch.	1
27	163	Diesel Engine – CRDI - 4 stroke for Dismantling and Assembling with Swivelling Stand.	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine, 1100 -2200cc, with ECM, BCM and sensors, wiring, fuel feed, cooling system, instrument cluster.	1

28	179	Working Condition of Diesel Engine – CRDI- 4 stroke Engine, Assembly with fault simulation board	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine, 1100-2200cc with ECM, BCM and sensors, wiring, fuel feed, cooling system, instrument cluster with Fault setting bank for minimum 8 sensors and with diagnostic socket tread the faults. Engine management circuit diagram to be printed on the panel board.	1
29	171	Diesel Engine six Cylinder in running condition	Latest Diesel Engine CRDI 4Stroke 6 Cylinders, Turbocharged Engine in running condition. 4500 -6000 cc. All sensors, wiring, fuel feed, cooling system & instrument cluster	1
30	174	Four stroke petrol engine with CNG setup working condition	Latest 4 Stroke 3/4cylinder MPFI in running condition, 1000-1600cc with ECM, BCM and all sensors, wiring, fuel feed system, cooling system, instrument cluster & with CNG/ Petrol selection Switch on Panel. Latest CNG kit.	1
31	176	MPFI petrol engine with swivelling stand along with special tools for dismantling and assembling	Latest 4 Stroke 3/4cylinder MPFI in running condition, 1000-1600cc with ECM, BCM and all sensors, wiring, fuel feed system, cooling system, instrument cluster	1
32	182	Ultrasonic Injection cleaning equipment	Flow analysis & spray pattern test, leak test, auto programming mode, ultrasonic test with timer, Min 1000 ML Lit, SS Tank with Lid, SS Stand.	1
33	184	Wheel balancing machine	For wheel balancing of LMV. Motor 0.5 HP Shaft Diameter min 38mm. Hardened flange assy. Balancing catch nut of metal.	1

34	185	Working Condition of Petrol MPFI Engine Assembly with fault simulation board	Latest 4 Stroke $\frac{3}{4}$ cylinder MPFI in running condition, 1000-1600cc With ECM, BCM and all sensors, wiring, fuel feed system, cooling system, instrument cluster & with Fault setting bank for minimum 6 sensors with diagnostic socket.	1
35	209	Instructors lap top with latest (vista & above) configuration pre-loaded with Operating system. And MS Office package.		1

FITTER TRADE

S.NO	NAME OF THE STORE EQUIPMENT (BRIEF SPECIFICATION OF ITEMS)	SPECIFICATION	NAME OF THE TRADE WHICH ITEM REQUIRED	TOTAL QUANTITY REQUIRED AS PER AICTE/NCVT NORMS	QUANTITY HELD AT PERCENT	BALANCE QUANTITY TO BE PURCHASE	IF NOT, GIVE REASON	IF YES, MENTAL/IO N SR.NO.	ESTIMATE FOR FINANCIAL SANCTION IS REQUIRED	REMARKS
1	Machine vice Swivel Base	100 mm	FITTER	01 No	Nil	01 No	As per new syllabus NSQF-	86	6000	
2	Machine vice Swivel Base	125 mm	FITTER	01 No	Nil	01 No	As per new syllabus NSQF-	87	6000	
3	Power tools for fastening	Capacity 10-18mm	FITTER	1 No.	Nil	1 No.	As per new syllabus NSQF-	103	5000	
4	Different Profile gauges (Plate type) - For demonstration (Metric)	Metric standard	FITTER	4 Nos	Nil	4 Nos	As per new syllabus NSQF-5	104	3000	
5	Knurling tool (Diamond, straight & Diagonal)		FITTER	1 No.	Nil	1 No.	As per new syllabus NSQF-	105	3000	
6	Indexable boring bar with ins 1" shank		FITTER	4 Nos	Nil	4 Nos	As per new syllabus NSQF-5	106	2500	
7	Temperature gauge	Range 0 - 150°C	FITTER	1 each	Nil	1 each	As per new syllabus NSQF-5	108	500	
8	Lapping plate	(Dia. -6")	FITTER	2 each	Nil	2 each	As per new syllabus NSQF-5	111	3000	
9	Cast Iron Globe Valve (Flanged type)	150NB, Class# 150 Flange:ANSI125-B16.1	FITTER	2 No.s	Nil	2 No.s	As per new syllabus NSQF-5	115	4000	
10	C.I. Sluice / Gate valve (flang	150NB, Class# 150 Flange:ANSI125-B16.1	FITTER	2 No.s	Nil	2 No.s	As per new syllabus NSQF-5	116	4500	
11	Stop cock (25NB (2-way, Thr	25NB (2-way, Thrd threaded end)	FITTER	2 No.s	Nil	2 No.s	As per new syllabus NSQF-5	117	1500	
12	Slip-on Forged steel Flange	150NB, ANSI-B16.5, Class#150	FITTER	4 Nos	Nil	4 Nos	As per new syllabus NSQF-5	120	500	

13	Pipe threading die with handle	(Ratchet type Die head of 1/2" , 3/4" and 1")	FITTER	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	122	6000
14	Lifting sling	8mm Nominal Dia. Single leg sling	FITTER	2 Nos	Nil	2 Nos	As per new syllabus NSQF-5	134	3000
15	Bearing extractor	Universal gear puller 2 or 3 jaws adjustable	FITTER	1 No	Nil	1 No	As per new syllabus NSQF-5	135	1500
16	Pulley extractor	Universal gear puller 2 or 3 jaws adjustable	FITTER	1 No	Nil	1 No	As per new syllabus NSQF-5	136	1500
17	Pillar type Drilling Machine	Sensitive 0-20 mm cap. With swivel table motorised with check and key	FITTER	2	1	01 NO	General machinery		25000

WELDER TRADE

S.NO	NAME OF THE STORE EQUIPMENT (BRIEF SPECIFICATION OF ITEMS)	SPECIFICATION	NAME OF THE TRADE WHICH ITEM REQUIRED	TOTAL QUANTITY REQUIRED AS PER AICTE/NCVT NORMS	QUANTITY HELD AT PERSON	BALANCE QUANTITY TO BE PURCHASE	IF NOT, GIVE REASON	IF YES, COMMENT SR.NO	ESTIMATE FOR FINANCIAL SANCTION IS REQUIRED	REMARKS
1	Welding Simulator	Standard	Welder	1	0	1				

Class Room Furniture for trade trainees

1	Trade Dual Desk	Standard	For All Trades	-	-	100				
2	Chair for Instructors	Standard	For all Trade	6	-	6				
3	Desktop Computer (All in one)	Standard	For ICT Lab	30	15	15				
4	Computer workstation	standard	For ICT Lab	0	0	20				