

---

**Skills Strengthening for Industrial Value Enhancement**

**STRIVE**

**2 Packages - 1st year**

**Govt I T I – TADA**

## PART-C :: PROCUREMENT PLAN PACKAGE WISE

**Procurement Plan : IMC to submit the procurement plan for ITI as per Section 4.2 - Procurement Guidelines in the below format:**

- i. Total Planned Procurement Packages (Year 1 to Year 5) = 7  
 ii. Year-wise details of procurement of Packages are detailed below :

**Govt. I.T.I., TADA,**

<b>Packages 1 and 2 (1st year)</b>							
S No.	Name of the Item	Specification	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR in Lakhs)	Total Amount	Method of Procurement
1	2	3	4	5	6	7	8
<b>Package 1</b>							
1.	Function Generator	2 to 200 KHz, Sine, Square, Triangular 220 V, 50 Hz, Single Phase	Electrician	1	.75000	.75000	National Competitive bidding
2.	Soldering Iron	25 Watt, 65 Watt and 120 Watt, 230 Volt (2 Nos. each)	Electrician	6	.02000	.12000	-do-
3.	Temperature controlled Soldering Iron	50 Watt, 230 Volt	Electrician	2	.15000	.30000	-do-
4.	Discrete Component Trainer	Discrete Component (for diode and transistor circuit) with regulated power supply +5,-5 V, +12, 0,-12 V	Electrician	1	.50000	.50000	-do-
5.	Linear I.C. Trainer	Linear I.C. Trainer with regulated power supply 1.2V to 15V PIC socket 16pin and 20 pin with bread board	Electrician	1	.75000	.75000	-do-
6.	Digital I.C. Trainer	Digital I.C. Trainer 7 segment display and bread board	Electrician	1	.75000	.75000	-do-
7.	Contactor & auxiliary contacts	3 phase, 415 Volt, 25 Amp with 2 NO and 2 NC (2 Nos each)	Electrician	4	.05000	.20000	-do-
8.	Contactor & auxiliary contacts.	3 phase, 415 volt, 32 Amp with 2 NO and 2 NC (2 Nos. each)	Electrician	4	.06000	.24000	-do-
9.	Limit Switch	Limit Switch, Liver operated 2A 500v, 2-contacts	Electrician	4	.02000	.08000	-do-
10.	Rotary Switch	16 A/440v	Electrician	4	.02500	.10000	-do-

11.	Relay- a. Cut out Relays b. Reverse current c. Over current d. Under voltage	a. 16A, 440V b. 16A, 440V c. 16A, 440V d. 360V-440V (2 No. each)	Electrician	8	.05000	.40000	National Competitive bidding
12.	Pin Type, shackle type, egg type & suspension type insulators including hardware fitting	2 Nos. each	Electrician	8	.10000	.80000	National Competitive bidding
13.	Hydrometer		Electrician	2	.01500	.03000	-do-
14.	Hand Drill Machine	0-6 mm capacity	Electrician	2	.03000	.06000	-do-
15.	Portable Electric Drill Machine	0-12 mm capacity 750w, 240v with chuck and key	Electrician	1	.05000	.05000	-do-
16.	Load Bank ( Lamp / heater Type)	6 KW, 3Ph	Electrician	1	.25000	.25000	-do-
17.	Brake Test arrangement with two spring balance rating	0 to 25 kg	Electrician	1	.20000	.20000	-do-
18.	Laboratory Type Induction Coil	1000 W	Electrician	2	.15000	.30000	-do-
19.	Out Side Micrometer	0 - 25 mm least count 0.01mm	Electrician	2	.10000	.20000	-do-
20.	Thermometer Digital	0° C - 150° C	Electrician	1	.15000	.15000	-do-
21.	Series Test Lamp	230V, 60W	Electrician	4	.00500	.02000	-do-
22.	Knife Switch DPDT fitted with fuse terminals	16 Amp	Electrician	4	.02500	.10000	-do-
23.	Knife Switch TPDT fitted with fuse terminals	16 Amp/ 440 V	Electrician	4	.03000	.12000	-do-
24.	Miniature Breaker	16 amp	Electrician	2	.10000	.20000	-do-
25.	Earth Plate	60cm X 60cm X 3.15mm Copper Plate 60cm X 60cm X 6mm GI Plate (1 Each)	Electrician	2	.05000	.10000	-do-
26.	Earth Electrode	Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	Electrician	2	.05000	.10000	-do-
27.	MCCB	100Amps, Triple pole	Electrician	2	.05000	.10000	-do-



28.	ELCB and RCCB	25Amps, double pole and 25Amps, double pole, 1An 30 mA (1 Each)	Electrician	2	.10000	.20000	-do-
29.	Fuses	HRC Glass Rewire Type 0 - 25 Ohm, 2 Amp 0 - 300 Ohm, 2 Amp 0 - 1 Ohm, 10Amp 0 - 10 Ohm, 5 Amp (1 No. each)	Electrician	8	.03000	.24000	-do-
30.	Rheostat (Sliding type)		Electrician	4	.02000	.08000	National Competitive bidding
31.	Capacitors	Electrolytic Ceramic Polyester film Variable Dual run	Electrician	2	.05000	.10000	-do-
32.	Various Electronic components	Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRIAC, IGBT, Small transformer etc. (1 set)	Electrician	1	.10000	.10000	-do-
33.	Various Lamps	Halogen Incandescent Lamp Fluorescent tube HP mercury vapor Lamp High-pressure sodium Lamp Low-pressure sodium Lamp LED (1 Each)	Electrician	5	.05000	.25000	National Competitive bidding
34.	Plug socket Piano Switch Lamp Holder	230 V, 5 A (2 Each)	Electrician	4	.02000	.08000	-do-
35.	Cables : Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable	1 mtr each (1 Set)	Electrician	1	.30000	.30000	-do-
36.	Bus bar with brackets	1 mtr each	Electrician	4	.20000	.80000	-do-
37.	Rubber mat	2' x 4' x 1"	Electrician	2	.05000	.10000	National Competitive bidding
38.	Electrician Helmet	Yellow Colour	Electrician	8	.04000	.32000	-do-

39.	RCC Pole with accessories (MS angle iron, 'C' clamp, stay insulator etc.) and materials	6 Mtr		Electrician	1	.25000	.25000	National Competitive bidding
40.	Safety Belt	Standard quality		Electrician	2	.01500	.03000	-do-
41.	Ohm Meter; Series Type & Shunt Type, portable box type	50/2000-ohm analog (2 Nos. each)		Electrician	4	.05000	.20000	-do-
42.	Digital Multi Meter	DC 200mv -1000v, 0 - 10A & AC 200mv- 750v, 0-10A, resistance 0-20 MΩ and 3 1/2 digit		Electrician	10	.05000	.50000	-do-
43.	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case	Multi range 75 V - 150V - 300V - 600V		Electrician	4	.03000	.12000	-do-
44.	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case	100 - 0 - 100 mV		Electrician	4	.04000	.16000	-do-
45.	Ammeter MC analog, portable box type housed in Bakelite case	0 - 500 mA, 0-5 A, 0-25 A (1 Nos. each)		Electrician	4	.05000	.20000	-do-
46.	AC Ammeter M.I. analog, portable box type housed in Bakelite case	0 - 1 A, 0-5 A, 0-25 A (1 Nos. each)		Electrician	4	.03500	.14000	-do-
47.	Kilo Wattmeter Analog	0-1.5-3KW, pressure coil rating- 240v/440v, current rating-5A/10A Analogue, portable type Housed in bakelite case		Electrician	4	.05000	.20000	-do-
48.	Digital Wattmeter	230 V, 1 KW, 50 Hz		Electrician	2	.05000	.10000	-do-
49.	A.C. Energy Meter	Single Phase, 10 A, 240 V induction type		Electrician	2	.02000	.04000	-do-
50.	A.C. Energy Meter	Three Phase, 15 A, 440 V induction type		Electrician	2	.10000	.20000	-do-
51.	Power Factor Meter Digital	440 V, 20 A, Three Phase portable box type		Electrician	2	.10000	.20000	-do-
52.	Frequency Meter	45 to 55 Hz		Electrician	2	.05000	.10000	National Competitive bidding
53.	Magnetic Flux Meter	0-500 tesla		Electrician	2	.10000	.20000	-do-
54.	Tachometer	Analog Type - 10000 RPM		Electrician	1	.10000	.10000	-do-



55.	Tachometer	Digital Photo Sensor Type - 10000 RPM	Electrician	1	.10000	.10000	-do-
56.	Tong Tester / Clamp Meter	0 - 100 A (Digital Type)	Electrician	2	.10000	.20000	-do-
57.	Megger	Analog - 500 V	Electrician	2	.15000	.30000	-do-
58.	3- point D.C. Starter	For 2.5 KW DC motor	Electrician	1	.10000	.10000	-do-
59.	4- point D.C. Starter	For 2.5 KW DC motor	Electrician	1	.10000	.10000	-do-
60.	Wheat Stone Bridge with galvanometer and battery		Electrician	1	.20000	.20000	National Competitive bidding
61.	Single Phase Variable Auto Transformer	0 - 270 V, 10Amp (Air cooled)	Electrician	2	.45000	.90000	-do-
62.	Phase Sequence Indicator	3 Phase, 415 V	Electrician	2	.25000	.50000	-do-
63.	Growler	230 V, 50 Hz, Single Phase, Adjustable jaws, Testing armature with ampere meter and testing probes.	Electrician	1	.50000	.50000	-do-
64.	AC Starters: - a. Resistance type starter b. Direct on line Starter c. Star Delta Starter- Manual d. Star Delta Starter – Semi automatic e. Star Delta Starter – Fully automatic f. Star Delta Starter - Soft starter g. Auto Transformer type	For A.C Motors of 2 to 5 H.P.	Electrician	4	1.55000	6.20000	National Competitive bidding
65.	Single phase Transformer, core type, air cooled	1 KVA, 240/415 V, 50 Hz	Electrician	4	.20000	.80000	National Competitive bidding
66.	Three phase transformer, shell type oil cooled with Delta/ Star	3 KVA, 415/240 V, 50 Hz	Electrician	2	.30000	.60000	-do-
67.	Pillar Electric Drill Machine Motorized	12-20 mm Capacity, 1HP, 440V, 3 phase, Induction Motor with DOL starter, Bench Type	Electrician	1	.60000	.60000	-do-
68.	Motorised Bench Grinder	1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	Electrician	1	.50000	.50000	-do-

69.	A.C. Series type Motor	1 HP, 240 V, 50 Hz	Electrician	2	.15000	.30000	-do-
70.	Single Phase Capacitor Motor with starter switch	1 HP, 240 V, 50 Hz	Electrician	2	.20000	.40000	-do-
71.	Manual Motor coil Winding Machine	With step arbor	Electrician	2	.30000	.60000	-do-
72.	Ceiling fan coil Winding Machine	250V, 50 Hz, 1- $\Phi$ , with speed control	Electrician	2	.20000	.40000	-do-
73.	Primary current injection set	220V, 50 Hz, 1- $\Phi$ , output current - 200 A (min) with timer	Electrician	2	.20000	.40000	-do-
74.	Stepper Motor with Digital Controller		Electrician	2	.25000	.50000	-do-
75.	Shaded Pole Motor	Fractional HP, 240 V, 50 Hz	Electrician	2	.20000	.40000	National Competitive bidding
76.	Safety Belt	Standard quality	Electrician	2	.01500	.03000	-do-
77.	Megeer	Analog - 500 V	Electrician	2	.15000	.30000	-do-
78.	Voltage Stabilizer	AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	Electrician	2	.10000	.20000	-do-
79.	Thyristor /IGBT controlled D.C. motor drive with tachogenerator feedback arrangement	1 HP	Electrician	1	.15000	.15000	-do-
80.	Thyristor/IGBT controlled A.C. motor drive with	VVVF control 3 Phase, 2 HP	Electrician	1	.25000	.25000	National Competitive bidding
		<b>Package - 1</b>				<b>27.81</b>	
		<b>Package - 2</b>					
S.No.	Name of the Item	Specification	Trade Course for which it is required	Quantity Required	Rate/Unit (in INR in Lakhs)	Total Amount	Method of Procurement
1				5	6	7	8
1.	D.C. Shunt Generator with control panel	D.C. Shunt Generator with control panel, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V with control panel & star delta starter	Electrician	1	2.50000	2.50000	National Competitive bidding



2.	Motor-Generator (AC to DC)	Squirrel Cage Induction Motor with star delta starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling. Induction Motor rating: 7.5 HP, 415V, 50 cycles, 3 phase. DC Shunt Generator rating: 5 KW, 440V (Output voltage varies 110-440v)		1	2.00000	2.00000	National Competitive bidding
3.	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V & 3 phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta starter	Electrician	1	2.50000	2.50000	-do-
4.	DC Series Motor coupled with spring balance load	2.5 KW, 220 Volts	Electrician	1	.50000	.50000	-do-
5.	DC Shunt Motor	2.5 KW, 220 V	Electrician	1	.50000	.50000	-do-
6.	DC compound Motor with starter and switch	2.5 KW, 220 volts	Electrician	1	.75000	.75000	-do-
7.	Motor Generator(DC to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling.	Shunt Motor rating : 5 HP, 440V AC Generator rating : 3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf, 50cycles	Electrician	1	1.75000	1.75000	National Competitive bidding



8.	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load.	5 HP, 3-Phase, 415 V, 50 Hz	Electrician	1	.55000	.55000	National Competitive bidding
9.	AC phase-wound slip ring Motor with starter switch	5 HP, 440 V, 3 Phase, 50 Hz	Electrician	1	.50000	.50000	-do-
10.	Universal Motor with starter/switch	240 V, 50 Hz, 1 HP	Electrician	1	.10000	.10000	-do-
11.	Synchronous motor with accessories like starter, excitation arrangements.	3 Phase, 3 HP, 440V, 50Hz, 4 Pole	Electrician	1	.25000	.25000	-do-
12.	Thyristor /IGBT controlled D.C. motor drive with tachogenerator feedback arrangement	1 HP	Electrician	4	.15000	.60000	-do-
13.	Thyristor/IGBT controlled A.C. motor drive with	VVVF control 3 Phase, 2 HP	Electrician	4	.25000	1.00000	National Competitive bidding
14.	Measuring Steel Tape	5 meter	Electrician	21	.00300	.06300	National Competitive bidding
15.	Try Square	150 mm blade	Electrician	4	.00500	.02000	-do-
16.	Outside Calliper	150 mm spring type	Electrician	4	.00500	.02000	-do-
17.	Inside Calliper	150 mm spring type	Electrician	4	.00725	.02900	-do-
18.	Divider	150 mm spring type	Electrician	4	.00725	.02900	-do-
19.	Pliers long nose insulated	150 mm	Electrician	4	.00575	.02300	-do-
20.	Pliers flat nose insulated	200 mm	Electrician	4	.00600	.02400	-do-
21.	Pliers round nose insulated	100 mm	Electrician	4	.00500	.02000	-do-
22.	Tweezers	150 mm	Electrician	4	.00400	.01600	-do-
23.	Snip Straight and Bent heavy duty	250 mm (2 Nos each)	Electrician	4	.03000	.12000	-do-
24.	D.E. metric Spanner Double Ended	6 - 32 mm (2 sets)	Electrician	4	.02500	.10000	National Competitive bidding
25.	Drill hand brace	0-100mm	Electrician	4	.01500	.06000	-do-
26.	Drill S.S. Twist block	2 mm, 5 mm and 6 mm set of 3	Electrician	4	.00700	.02800	-do-
27.	Plane cutters	50 mm X 200mm	Electrician	4	.01500	.06000	-do-

28.	Smoothing cutters	50 mm X 200mm	Electrician	4	.01500	.06000	-do-
29.	Gauge, wire imperial stainless steel marked in SW/G & mm	Wire Gauge - Metric	Electrician	4	.00800	.03200	-do-
30.	Copper bit soldering iron.	0.25 kg	Electrician	4	.00500	.02000	-do-
31.	De soldering Gun	Heat proof nozzle, PVC type, 250mm	Electrician	4	.00400	.01600	-do-
32.	Hand Drill Machine	0-6 mm capacity	Electrician	2	.03000	.06000	-do-
33.	Portable Electric Drill Machine	0-12 mm capacity 750w, 240v with chuck and key	Electrician	2	.05000	.10000	-do-
34.	Out Side Micrometer	0 - 25 mm least count 0.01mm	Electrician	4	.10000	.40000	-do-
35.	Thermometer Digital	0° C - 150° C	Electrician	2	.15025	.30050	-do-
36.	Series Test Lamp	230V, 60W	Electrician	4	.00550	.02200	-do-
37.	Bus bar with brackets	1 mtr each	Electrician	2	.20000	.40000	-do-
38.	Rubber mat	2' x 4' x 1"	Electrician	4	.05000	.20000	-do-
39.	Digital Multi Meter	DC 200mv -1000v, 0 - 10A & AC 200mv- 750v, 0-10A, resistance 0-20 MΩ and 3 1/2 digit	Electrician	4	.05000	.20000	National Competitive bidding
40.	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case	Multi range 75 V - 150V - 300V - 600V	Electrician	4	.03000	.12000	-do-
41.	Welding Simulator	Capable of simulating 1F to 4F and 1G to 6G multiple welding positions, process to cover SMAW, GMAW	Asst TIG Welder	1	10.00000	10.00000	National Competitive bidding
42.	LCD Projector	1920X1080 Resolution, 3000 Lumens along with screen	Asst TIG Welder	1	1.00000	1.00000	-do-
43.	Power Generator	5 KVA Diesel Generator, 3 Phase	Asst TIG Welder	1	2.00000	2.00000	-do-
44.	D.E. Grinder	1 HP, 3 phase, 440V with DOI starter, Double side with smooth and rough wheel with Tool Base Motorized pedestal Type 30 cm	Asst TIG Welder	3	.50000	1.50000	-do-
45.	Oven	Fixed Type	Asst TIG Welder	1	.17500	.17500	-do-
46.	Oven	Portable Type	Asst TIG Welder	2	.04000	.08000	-do-
47.	Punch Centre	9mm X 150 mm	Asst TIG Welder	15	.00500	.07500	-do-
48.	File half round	200 mm 2nd cut with handle	Asst TIG Welder	5	.00600	.03000	-do-
49.	File flat bastard	250 mm with handle	Asst TIG Welder	5	.00700	.03500	-do-
50.	Hacksaw frame	Fixed 300 mm	Asst TIG Welder	5	.00200	.01000	-do-
51.	Wire Brush	Stainless Steel	Asst TIG Welder	15	.00200	.03000	-do-

52.	Tongs	Flat 600 mm	Asst TIG Welder	10	.01000	.10000	-do-
53.	Steel Rule Graduated both in Metric and English Unit	300 mm with precision of 1/4th mm	Asst TIG Welder	10	.00200	.02000	-do-
54.	Scribers	150 mm straight	Asst TIG Welder	7	.00150	.01050	-do-
55.	Needle Nose Players	150 mm	Asst TIG Welder	2	.00150	.00300	-do-
56.	Measuring Steel Tape	10 meter	Asst TIG Welder	5	.00500	.02500	-do-
57.	Combination Set	300 mm with all accessories	Asst TIG Welder	4	.10000	.40000	-do-
58.	Chisel Cold Flat	19 X 150 mm	Asst TIG Welder	15	.00250	.03750	National Competitive bidding
59.	Try Square	150 mm blade	Asst TIG Welder	15	.00500	.07500	-do-
<b>Package - 2</b>			<b>31.65</b>				
<b>Total for Packages- 2</b>							
<b>GRAND TOTAL</b>			<b>for 2 Packages</b>			<b>59.46</b>	

**ABSTRACT**

<b>Year - 1</b>	<b>Package - 1</b>	<b>27.81</b>
	<b>Package - 2</b>	<b>31.65</b>
	<b>Grand Total</b>	<b>59.46</b>

*[Signature]*  
**Secretary**  
**I.M.C. of Govt. I.T.I, Tada**  
**NELLORE Dt. (A.P.)**

*[Signature]*  
**CHAIRMAN,**  
**I.M.C. of Govt. I.T.I, Tada**  
**NELLORE Dt. (A.P.)**