## NAME OF THE SCHEDULE : SCHEDULE-4 - ELECTRICAL SECTOR

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 1 | INSTRUMENT MECHANIC | IM-E001 | Soldering station (temp. controlled) with necessary accessories | 500 to 600 W with with 60 W Iron bit (5 nos of interchangeable bits of different sizes) and 400 to 500 Watt hot air blower with stand | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2 | INSTRUMENT MECHANIC | IM-E002 | Monochromatic light source | Diameter : up to 150mm, light source : 35W sodium Wave length : 0.5 micron | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3 | INSTRUMENT MECHANIC | IM-E003 | Wire type strain gauge (load cell/cantilever beam) | Excitation: 10 Vdc, 15 Vdc max. Output: 3 mV/V ±0.25% Cantilever beam load cells, ±50 kgF to ±10,000 kgF | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 4 | INSTRUMENT MECHANIC | IM-E004 | Load cells of various ranges | Gage factor : 2.05, Rated output : 1.8 - 2.2 mV/V, Maximum excitation : 6 Kg creep : 0.03 Input resistance :380 ohms to 420 ohms output resistance : 345 ohms to 355 ohms | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 5 | INSTRUMENT MECHANIC | IM-E005 | Electrical tachometer | Analog type - 10000 RPM | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 6 | INSTRUMENT MECHANIC | IM-E006 | Digital type tachometer | 0-10000 Counts | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 7 | INSTRUMENT MECHANIC | IM-E007 | Stroboscope | Frequency range : o to 120000 flashes per minute High intensity light 9000 LUX at 30cm | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 8 | INSTRUMENT MECHANIC | IM-E008 | Digital panel meters | 3 ½" digit LED display | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 9 | INSTRUMENT MECHANIC | IM-E009 | Digital line frequency indicator | 3 ½" digit LED display | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 10 | INSTRUMENT MECHANIC | IM-E010 | D.C. regulated power supply | Ref: Annexure-4-i | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 11 | INSTRUMENT MECHANIC | IM-E011 | Digital multi signal generator | Ref: Annexure-4-ii | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 12 | INSTRUMENT MECHANIC | IM-E012 | Digital function generator | Ref: Annexure-4-iii | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 13 | INSTRUMENT MECHANIC | IM-E013 | Pulse generator | Ref: Annexure-4-iv | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 14 | INSTRUMENT MECHANIC | IM-E014 | Digital insulation tester | Digital Insulation Resistance Tester with Buil-in Multimeter, Data Hold, Test Voltage: 500V / 1000V / 2500V/5000V, 0 to 99.9G.Ohms, Measures AC/DC Voltage, AC/DC Current up to 500mA, Resistance,Capacitance, Frequency, Diode & Continuity Test Facility. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 15 | INSTRUMENT MECHANIC | IM-E015 | Analog dual trace CRO | Ref: Annexure-4-v | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 16 | INSTRUMENT MECHANIC | IM-E016 | DSO (Digital storage oscilloscope) | Ref: Annexure-4-vi | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17 | INSTRUMENT MECHANIC | IM-E017 | Trainer on basic digital electronics i.e. logic gates Boolean Expression adder, sub tractor, flip flop, counter register, converter etc. | Instrument with Fixed DC Power Supplies : +5V / 1.5A; - 5V / 0.3A; +12V / 0.3A. Adjustable DC Power Supply : 0 to 15V / 0.5A., Clock Signal Generator : 1 Hz to 1MHz (in 6 Ranges). 16 SPDT switches as HI / Low Inputs., 2 Nos. pulsar switch with Q and Q' o/p with denounce circuit. Trainer on basic digital electronics i.e. Logic gates, Boolean Expression, adder , sub tractor, Flip-flop, counter, register, converter, 2 digit BCD coded thumbwheel Switch.16 sets of independent LED's to indicate high & low logic state. 4 sets of independent 7 segment LED display with BCD to Seven Segment Decoder driver. Logic Probe: TTL and CMOS level with 5mm LED Display to display "Low" and "High", An 8 ohm / 0.5W speaker, Breadboard Module | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 18 | INSTRUMENT MECHANIC | IM-E018 | Trainers on power supplier's halfwave rectifier, full wave rectifier(01 No. each) | IC based DC Reg. : + 12 V / 500 mA (fixed and with facility to vary from 0 to +12 V). Power Supplies : - 12 V / 500 mA (fixed and with facility to vary from 0 to -12 V). + 5V / 500mA (fixed). AC Supplies : 9 - 0 - 9 V AC / 500 mA. resistor, capacitor, diode, IC 7805, IC 7905,IC 7812,IC 7912,IC 317. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 19 | INSTRUMENT MECHANIC | IM-E019 | DC moving coil mili ammeters (various ranges) | 0-1mA,0-25mA, 0-50mA (01 No. each) | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 20 | INSTRUMENT MECHANIC | IM-E020 | Centre zero galvanometers | 300 - 0 - 300 mA , 240V | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 21 | INSTRUMENT MECHANIC | IM-E021 | AC moving iron type voltmeter (various ranges) | 0-75v, 0-150v, 0-300v (1 No. each) | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 22 | INSTRUMENT MECHANIC | IM-E022 | AC moving iron type ammeter (various ranges) | 0-1A, 0-5A, 0-10A (1 No. each) | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 23 | INSTRUMENT MECHANIC | IM-E023 | Wattmeter dynamometer type | 0-1.5-3KW, pressure coil rating 5A/10A Analog,Portable type housed in bakelite case | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 24 | INSTRUMENT MECHANIC | IM-E024 | Watt hour meter induction type 1 ph | AC 1-Phase 2 wire 240v,5-30A, 50 HZ 3200 imp/kwh induction type | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 25 | INSTRUMENT MECHANIC | IM-E025 | Potentiometer / thermocouple test set | Precision Potentiometer for resistance feeding For RTD transmitter with digital display. Milli volt source for voltage feeding to thermocouple transmitter. Measurement of milli volt and resistance of sensors.Heating source with temperature change and display like muffle furnace or dry block type up to temperature range 6000 or above. Two types(each) of thermocouple and RTD sensors for testing. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26 | INSTRUMENT MECHANIC | IM-E026 | Autotransformer 1Ø and 3Ø (1 no. each) | 0 to 120 % or above, 5A or above current rating | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 27 | INSTRUMENT MECHANIC | IM-E027 | Bourdon tube type gauges of various ranges | 0-7 kg /Cm² 4 " dial | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 28 | INSTRUMENT MECHANIC | IM-E028 | Capsule type pressure gauges | 0-7 kg /Cm² 4 " dial | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 29 | INSTRUMENT MECHANIC | IM-E029 | Differential pressure transmitter (pneumatic) | Differential pressure transmitter (pneumatic) Max. Air Supply: 30 psi, Output: 0.2 - 1.0 Kg/cm2, S.S. Orifice plate assembly, Pneumatic PID controller, control valve,actuator, valve positioner, rotameter, air regulator. To study the working principal of pneumatic DP Transmitter and functioning of it with working. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 30 | INSTRUMENT MECHANIC | IM-E030 | Differential pressure transmitter (electronic -HART/field bus type) | Differential pressure transmitter with HART/field bus facility, S.S. Orifice plate assembly, S.S. tank, S.S. body pump, control valve, actuator, valve positioner, rota meter, air regulator. To study the working principal of DP Transmitter and functioning of it with HART/field bus on suitable frame structure. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 31 | INSTRUMENT MECHANIC | IM-E031 | Diaphragm type pressure gauges of various ranges | Glycerin filled Various Type having dial size 4" or above, any four ranges, connection ½" or 3/8" | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 32 | INSTRUMENT MECHANIC | IM-E032 | Pressure transducers training kits<br>Potentiometer<br>Capacitive Reluctive strain gauge<br>LVDT<br>Load cell Servo type<br>Piezo resistive (1 no. each) | All transducers having range such that change in output of each can be identify. With Small compressor. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 33 | INSTRUMENT MECHANIC | IM-E033 | Experimental set up for pressure measurement consisting of air compressor pressure vessel pressure transmitter controller recorder and final control element, computer i.e. closed loop system or full scope system i.e. pressure instrumentation process control trainer / simulator | Pressure transmitter 0-1 bar or above. Auto-Manual PID controller with digital display for PV, set point (with three term facility), PC communication facility. Pneumatic control valve, I/P converter with regulator and gauges, pressure vessel, circular chart recorder, SCADA software with necessary fitting to run the set up. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 34 | INSTRUMENT MECHANIC | IM-E034 | HART device communicator and calibrator | Microprocessor base HART Communicator calibrator with Full multi-bus communicator for HART, Touch Screen LCD display, for calibration of various HART transmitters. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 35 | INSTRUMENT MECHANIC | IM-E035 | Pneumatic calibrator | For calibration of vacuum gauges, pressure gauges, pressure switches, pressure transmitters, etc.<br>Alpha Numeric LCD/LED Display, Switch Test Facility, Zero setting, Units Selectable, up to 25 Ma Measurement & Voltage Measurements and Pneumatic hand pump for Pressure & Vacuum. - 0.85 to 10 Bar Range,<br>Rechargeable Battery | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 36 | INSTRUMENT MECHANIC | IM-E036 | Pressure switches of various ranges | size 6mm, 8mm,10mm,12mm working pressure 15 bar to 20 bar | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 37 | INSTRUMENT MECHANIC | IM-E037 | Low pressure measuring gauges such as thermal conductivity gauge, McLeod gauge | Digital display of pirani type (thermal conductivity type) Vacuum measurement, mercury in glass tube<br>,McLeod gauge with inclination provision, close vessel for create vacuum, fitted on frame work. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 38 | INSTRUMENT MECHANIC | IM-E038 | P to I and I to P converters (1 No. each.) | P/I converter :<br>Input : 0 – 15 PSI or above Output : 4 – 20 mA Span and zero adjustment facility. With Air filter regulator : 0- 2 Kg/cm2 range with pressure indicator Digital Ammeter :0 – 20 mA range (for output read out) I/P converter : output : 3 – 15 PSI input put : 4 – 20 mA Span and zero adjustment facility. Air supply : 25 PSI Air filter regulator : 0- 2 Kg/cm2 range with pressure indicator Digital Ammeter :0 – 20 mA range or above Variable Current source: 4- 20 mA Pressure gauge : 2 kg/cm2, having dial 150 mm dia or above | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 39 | INSTRUMENT MECHANIC | IM-E039 | Vacuum tester with pump (1 no. each.) | Two stage vacuum pump 50 LPM & Ultimate Vacuum 0.05 mm of Hg, Vacuum Tester based on High Frequency Spark Unit (Tesla), 230 Volt supply, 20 kV High Frequency Output, MS Vacuum Chamber mounted on stand. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 40 | INSTRUMENT MECHANIC | IM-E040 | Vacuum gauge | Vacuum gauge with dial 6 inch or above. Sensor SS made. Precision high accuracy. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 41 | INSTRUMENT MECHANIC | IM-E041 | Magnetic flow meter | Magnetic flow meter with HART communication facility & 4-20 mA output along with SS sump tank, SS measuring tank, SS body pump and with required all fittings accessories and mounted on stand. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 42 | INSTRUMENT MECHANIC | IM-E042 | Vortex flow meter | SS sump tank, SS measuring tank, SS body pump, flow meter with HART Communication & 4-20 mA output and with required all fittings accessories and mounted on stand. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 43 | INSTRUMENT MECHANIC | IM-E043 | Flow control loop set with flow controller recorder, D.P. transmitter, receiver, unit control valve and impulse line, computer complete experimental set- up for flow measurement | DP transmitter with HART, Auto- Manual PID controller (with three term facility), communication facility, control valve, I/P converter, S.S. sump tank, rotameter, circular chart recorder, SCADA software with necessary fitting to run the set up. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 44 | INSTRUMENT MECHANIC | IM-E044 | 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. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 45 | INSTRUMENT MECHANIC | IM-E045 | Coriolis mass flow meter | Coriolis mass flow meter with HART communication facility, output 4-20 mA along with sump Tank, Measuring Tank, Pump, and accessories with stand, mounted on suitableframe structure. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 46 | INSTRUMENT MECHANIC | IM-E046 | Flow nozzle | SS Flow nozzle flange Type mounting with manifold assembly, sump tank, measuring tank, pump, mercury manometer, mountedon suitable frame structure. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 47 | INSTRUMENT MECHANIC | IM-E047 | Static pressure and air purge type level indicator | Static pressure and air purge Level Indicator with glass tube, SS purge pipe. Fixed on tank having minimum height of 1000 mm height. Static Pressure gauge air purge gauge with 6 inch dial and isolation valves. FR unit for air supply and reference bubble column used for air purge. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 48 | INSTRUMENT MECHANIC | IM-E048 | Level transmitter (interface) (HART/Field bus/profibus compatible) (1no.each) | To study the Interface between two Different Immiscible Medium. Min. measuring range 1100 mm, SS sump tank, suitable measuring tank, S.S. body pump, with hardware and fitting tounderstand level Interface measurement. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | INSTRUMENT MECHANIC | IM-E049 | Level control set up with level transmitters level recorder Controller & control valve complete Experimental set up or level simulator | Level transmitter, Auto- Manual PID controller (with three term facility), communication facility, control valve, I/P converter, S.S. sump tank, measuring tank of suitable height with sight glass, S.S. body pump, circular chart recorder, SCADA software with necessary fitting to run the setup, mounted on suitable frame structure. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | INSTRUMENT MECHANIC | IM-E050 | Instrumentation amplifier trainer | Instrument capable to Study Op-amp as a differential amplifier and observe its output, I-V Converter, V-I Converter, Inverting Summer, Inverting Average, Inverting Scaler, non- inverting Average, non- inverting Summer, Integrator, Differentiator | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 51 | INSTRUMENT MECHANIC | IM-E051 | SCR driven/controlled power supply trainer | Study of basic firing circuit. phase control, controlled power supply,. Effect of resistive load and Effect of inductive load. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 52 | INSTRUMENT MECHANIC | IM-E052 | Discreet component trainer | On board DC power supply : +5V/1A(fixed), ±15V/1A(fixed) ,±15V/200mA (variable) On board AC supply : 9v-0-9v; resistor, capacitor, inductor, relay, diode. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 53 | INSTRUMENT MECHANIC | IM-E053 | Trainer on RS485 to RS232 | Trainer with software for test communication with computer, Signal Conversion RS 485-RS232, Power supply 230 VAC/50Hz, Working mode 2-wire half-duplex Transmission distance: RS232: Typical: 15 FT (5m), RS485: Typical 4000FT (1200m) Maximum Baud Rate: 100 Kbit/ s to 10 Mbit/s, "Receive" and "Transmit" modes LED indicators. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 54 | INSTRUMENT MECHANIC | IM-E054 | Calibration test bench for AC and DC voltmeter, AC and DC Ammeter, ohmmeter | Complete test bench with self- powered which produces and measures of Voltages, current, and resistances. Calibrator for calibration and testing of A.C. Millimeters, Ammeters, Voltmeters and D.C. Millimeters, Ammeters, Millivolt meters, Voltmeters and Ohmmeters (Resistance) AC Voltage range: 0 - 250 v, 0 - 500 v & 0 - 1000 v, AC Current ranges: 0-1 A, 0-5 A, 0-10 A, 0-25 A & 0-50 A, DC Voltage ranges: 0- 250 mv, 0- 500 mv & 0- 1000 mv , 0-250 v, 0 - 500 v & 0-1000 volts, DC Current ranges: 0-250 ma, 0- 500 ma & 0 -1000 ma, 0-1 a,0-5a, 0-10a, 0-25a & 0-50amps,Resistance measuring circuit range: 0-2000 μω, 0-20Mohm, 0-2000 Mohm, 0- 20ohm,0-200ohm,0-2000ohm& 0-20 Kohm. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 55 | INSTRUMENT MECHANIC | IM-E055 | Level control set up with level transmitters level recorder Controller & control valve complete Experimental set up or level simulator | Level transmitter, Auto- Manual PID controlle (with three term facility), communication facility, control valve, I/P converter, S.S. sump tank, measuring tank of suitable height with sight glass, S.S. body pump, circular chart recorder, SCADA software with necessary fitting to run the setup, mounted on suitable frame structure. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 56 | INSTRUMENT MECHANIC | IM-E056 | Optical pyrometer with all accessories | Digital /Analog display, 800°C to 1500°C or above Measurement Range with accessories | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 57 | INSTRUMENT MECHANIC | IM-E057 | Radiation Pyrometer with all accessories | 250 to 900 Deg. C or above Temp. range, DC Power Supply, scalable 4 – 20 mA Output. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 58 | INSTRUMENT MECHANIC | IM-E058 | " U" tube manometers | Glass tube type 500 mm, with protecting case, safety over flow wells, scale adjustment facility, ground balance with spirit leveler. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 59 | INSTRUMENT MECHANIC | IM-E059 | Experimental set up for pressure measurement consisting of air compressor pressure vessel pressure transmitter controller recorder and final control element, computer i.e. closed loop system or full scope system i.e. pressure instrumentation process control trainer / simulator | Pressure transmitter 0-1 bar or above. Auto-Manual PID controller with digital display for PV, set point (with three term facility), PC communication facility. Pneumatic control valve, I/P converter with regulator and gauges, pressure vessel, circular chart recorder, SCADA software with necessary fitting to run the set up. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 60 | INSTRUMENT MECHANIC | IM-E060 | Hydraulic trainer | Ref: Annexure-4-vii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 61 | INSTRUMENT MECHANIC | IM-E061 | Pneumatic trainer | Ref: Annexure-4-viii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 62 | INSTRUMENT MECHANIC | IM-E062 | Orifice type flow meter Venturi tube flow meter Rota meter | Rotameter, Orifice plate assembly of SS & brass venturi all suitable for 1" pipe line, SS sump tank, SS measuring tank, SS body pump, mercury manometer with scale with required all fittings accessories and mounted on stand to understand working of all three flow meters. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 63 | INSTRUMENT MECHANIC | IM-E063 | Flow nozzle | SS Flow nozzle flange Type mounting with manifold assembly, sump tank, measuring tank, pump, mercury manometer, mounted on suitable frame structure. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 64 | INSTRUMENT MECHANIC | IM-E064 | Real PID controller training kit | Pump, sump tank, Heater tank, PC based PID controller module with all three (P+I+D) mode and Auto and manual mode facility to study the PID control action mounted on suitable frame structure. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

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| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 65 | INSTRUMENT MECHANIC | IM-E065 | Multifunction process control system consisting of level, flow, Temperature, pressure with remote set point control, ratio, cascade and feed forward with feedback loops with computer interface and software | True distributed control system having dedicated redundant function controller, power supply, communication modules, and integrated software modules, algorithms for complex process control. With Level transmitter, pressure transmitter, flow transmitter, temperature transmitter, Control valve, I/ P inerter, to study the all type of controls, suitable pipes and fittings, seamless data transfer unit, SCADA, Computer . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 66 | ELECTRICIAN | EL-E001 | Ohm Meter; Series Type & Shunt Type, portable box type | 50/2000-ohm analog (2 Nos. each) | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 10 |
| 67 | ELECTRICIAN | EL-E002 | Digital Multi Meter | DC 200mv -1000v,0 – 10A & AC 200mv- 750v , 0-10A, resistance 0-20 MΩ and 3 1/2 digit | 0 | 0 | 0 | 0 | 17 | 0 | 8 | 12 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 47 |
| 68 | ELECTRICIAN | EL-E003 | A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case | Volt meter (moving iron) M I type 0-600 volt range analog laboratory type (instrument) portable meter (A.C. type) knife edge pointer & Anti parallexe mirror scale bakelite case (dust proof) 180 mm x208mmx145 height scale length 140 mm Approx rated Accuracy + 0.1% FDS of full scale Value between 20% to 100% with carrying case made from superior grade | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 13 |
| 69 | ELECTRICIAN | EL-E004 | Milli Voltmeter centre zero analog, portable box type housed in Bakelite case | Milli volt meter center zero (100-0-100 M.V.) Class 2.5% of full scale value with housed in a deep drawn sheeld Bakelite finish dust proof case of 140 m.m. Dial Approxe standard ranges with carrying case made from superior grade | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 9 |
| 70 | ELECTRICIAN | EL-E005 | Ammeter MC analog, portable box type housed in Bakelite case | Moving coil D.C. ammeter (M.C. type) 0 - 500 mA, 0-5 A, 0-25 A (1 Nos. each) Class 1.0% of full scale value flush mounting type housed in a deep drawn sheeld Bakelite finish dust proof case of 180 mm x208mmx145 height scale length 140 mm Approx with carrying case made from superior grade | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 10 |
| 71 | ELECTRICIAN | EL-E006 | AC Ammeter MI, analog, portable box type housed in Bakelite case | Moving iron A.C. recti fier type Instrument standerd ranges A.C. Amp. meter 0 - 1 A, 0-5 A, 0-25 A (1 Nos. each) Class 2.5% of full scale value with flush mounting type round body housed in a deep drawn sheeld Bakelite finish dust proof case of 140 m.m. Dial Approxe standard ranges with carrying case made from superior grade. | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 8 |
| 72 | ELECTRICIAN | EL-E007 | Kilo Wattmeter Analog | 0-1.5-3KW, pressure coil rating- 240v/440v, current rating-5A/10A Analoge, portable type Housed in bakelite case | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 6 |
| 73 | ELECTRICIAN | EL-E008 | Digital Wattmeter | Watt meter single phase 1 k.w. Laboratory portable Digital type Watt meter & Anti parallex bakelite case (dust proof) scale length 140 mm Approx carrying case made from superior grade unique design makes it very strong in construction the provides very high Insulation | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 10 |
| 74 | ELECTRICIAN | EL-E009 | A.C. Energy Meter | Energy Meter single phase A.C. 10A. 240 volt Induction type laboratory portable type instrument | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| 75 | ELECTRICIAN | EL-E010 | A.C. Energy Meter | Energy meter 03 phase 4 wire 15 amp 440 volt Induction type laboratory portable type instrument | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 8 |
| 76 | ELECTRICIAN | EL-E011 | Power Factor Meter Digital | 440 V, 20 A, Three Phase portable box type | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 8 |
| 77 | ELECTRICIAN | EL-E012 | Frequency Meter | Frequency meter range 45-55 HZ and 240-440 volt Indicating pointer type laboratory portable type (instrument) knife edge pointer & Anti parallexe mirror scale bakelite case (dust proof) scale length 140 mm Approx rated Accuracy + 0.5 Hz with carrying case made from superior grade. | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| 78 | ELECTRICIAN | EL-E013 | Magnetic Flux Meter | 0-500 tesla Measurement range is from 0-01mt(0.1G or .01kA/m) to 2.999T (29.99kG or 2387kA/m) | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 4 |
| 79 | ELECTRICIAN | EL-E014 | Luxmeter | Luxmeter LCD Readout 0.05 to 7000 lumens with Battery | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 7 |
| 80 | ELECTRICIAN | EL-E015 | Tachometer | Speed Range 0-10000 rpm, Scale plate diameter up to 60 mm, Accuracy min. 2% of indicating scale, Display type Analog | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 81 | ELECTRICIAN | EL-E016 | Tachometer | Ref: Annexure-4-ix | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| 82 | ELECTRICIAN | EL-E017 | Tong Tester / Clamp Meter | 0 - 100 A (Digital Type) LCD WITH 3 2/3 positions, backlyte clamp for continious current-Measures AC/DC current Ac voltage and frequency memory function, zero reset for the DCA, Illumination of the point of measurement Automatic range seletion Auto shut off Apeture of the clamp 18mm | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 8 |
| 83 | ELECTRICIAN | EL-E018 | Megger | Analog - 500 V Measurement range 0.01kiloohms to 1000k ohms Accurecy ±3% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
| 84 | ELECTRICIAN | EL-E019 | 3- point D.C. Starter | For 2.5 KW DC motor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 85 | ELECTRICIAN | EL-E020 | 4- point D.C. Starter | For 2.5 KW DC motor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 86 | ELECTRICIAN | EL-E021 | Wheat Stone Bridge with galvanometer and battery | Wheat stone bridge complete with galvano meter and battery analog laboratory type (instrument) portable meter knife edge pointer & Anti parallexe mirror scale bakelite case (dust proof) 180 mm x208mmx145 height scale length 140 mm Approx rated Accuracy + 0.1% FDS of full scale Value between 20% to 100% with carrying case made from superior grade | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 5 |
| 87 | ELECTRICIAN | EL-E022 | Single Phase Variable Auto Transformer | 270 V , 10 A, Single phase, Air cooled auto-transformer box type manually operated with all safety devices fitted to it | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 88 | ELECTRICIAN | EL-E023 | Phase Sequence Indicator | 3 Phase, 415 V | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 10 |
| 89 | ELECTRICIAN | EL-E024 | Growler | 230 V, 50 Hz, Single Phase, Adjustable jaws, Testing armature with ampere meter and testing probes. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| 90 | ELECTRICIAN | EL-E025 | AC Starters: - | For A.C Motors of 2 to 5 H.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | a. Resistance type starter | Resistance type starter | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| | | | b. Direct on line Starter | Direct on line Starter | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| | | | c. Star Delta Starter- Manual | Star Delta Starter- Manual | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| | | | d. Star Delta Starter – Semi automatic | Star Delta Starter – Semi automatic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| | | | e. Star Delta Starter – Fully automatic | Star Delta Starter – Fully automatic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| | | | f. Star Delta Starter - Soft starter | Star Delta Starter - Soft starter | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 8 |
| | | | g. Auto Transformer type | Auto Transformer type starter | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 6 |
| 91 | ELECTRICIAN | EL-E026 | Oscilloscope Dual Trace | Ref: Annexure-4-v | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 92 | ELECTRICIAN | EL-E027 | Function Generator | Ref: Annexure-4-iii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 93 | ELECTRICIAN | EL-E028 | Soldering Iron | 25 Watt, 230 Volt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| | | | | 65 Watt 230 Volt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| | | | | 120 Watt 230 Volt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| 94 | ELECTRICIAN | EL-E029 | Temperature controlled Soldering Iron | 50 Watt, 230 Volt | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 14 |
| 95 | ELECTRICIAN | EL-E030 | Discrete Component Trainer | Discrete Component (for diode and transistor circuit) with regulated power supply +5,0- 5 V,+12 ,0-12 V | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 11 |
| 96 | ELECTRICIAN | EL-E031 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 97 | ELECTRICIAN | EL-E032 | Digital I.C. Trainer | Digital I.C. Trainer 7 segment display and bread board | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 5 |
| 98 | ELECTRICIAN | EL-E033 | Domestic Appliances – | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | a. Electric Induction plate | a. 1500 Watt, 240V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | b. Electric Kettle | b. 1500 Watts, 240V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 4 |
| | | | c. Electric Iron | c. Automatic - 750 W, 240 V | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| | | | d. Immersion Heater | d. 1500 Watt, 240V | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| | | | e. A.C. Ceiling Fan and AC Table Fan | e. 68 Watt, 230 V | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 5 |
| | | | f. Geyser (Storage type) | f. 10 litre | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 5 |
| | | | g. Mixture & Grinder | g. 750 W, 240 V | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 5 |
| | | | h. Washing Machine Semi Automatic | h. 5 Kg, | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 6 |
| | | | i. Motor Pump set | i.1 HP, 1 Phase, 240 V | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 4 |
| 99 | ELECTRICIAN | EL-E034 | Oil Testing Kit | Oil testing kit manual / motorized compact size fully equipment control panel with inter locking resin cest H.T transformers shock protection over load protection host om models between 60-80-100 K.V. suitadle for BDV testing of oils as par complite accessories. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 100 | ELECTRICIAN | EL-E035 | Inverter with Battery | 1 KVA with 12 V Battery 150 ah Input- 12 volt DC, Output- 220 volt AC | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 101 | ELECTRICIAN | EL-E036 | Voltage Stabilizer | AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 |
| 102 | ELECTRICIAN | EL-E037 | DC Power Supply | 0 - 30 V, 5 A | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 6 |
| 103 | ELECTRICIAN | EL-E038 | Current Transformer | 415 V, 50Hz, CT Ratio 25 / 5 A, 5VA Backlyte box type | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 6 |
| 104 | ELECTRICIAN | EL-E039 | Potential Transformer | 415 V, 50Hz, PT Ratio, 440V/110V,10VA Backlyte box type | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| 105 | ELECTRICIAN | EL-E040 | Battery Charger | Battery charger input 230 v output 6volt to 48 volt 40 amp. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 106 | ELECTRICIAN | EL-E041 | Solar Pannel with battery | Ref: Annexure-4-x | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 7 |
| 107 | ELECTRICIAN | EL-E042 | Pentium IV Computer or latest | Ref: Annexure-4-xi | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 8 |
| 108 | ELECTRICIAN | EL-E043 | Ink jet/ laser printer | Ref: Annexure-4-xii | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 5 |
| 109 | ELECTRICIAN | EL-E044 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 110 | ELECTRICIAN | EL-E045 | Motor-Generator (AC to DC) with control pannel board | 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) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 3 |
| 111 | ELECTRICIAN | EL-E046 | 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 &3phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta starter | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 5 |
| 112 | ELECTRICIAN | EL-E047 | DC Series Motor coupled with spring balance load | DC Series motor 2.5 kW, 220V with external control pannel fitted with all accessories connected with spring balance load for establishment of the relationship among speed, Torque and rpm in Laboratory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 113 | ELECTRICIAN | EL-E048 | DC Shunt Motor | DC Shunt motor 2.5 kW, 220V with external control pannel fitted with all accessories connected with spring balance load for establishment of the relationship among speed, Torque and rpm in Laboratory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 114 | ELECTRICIAN | EL-E049 | DC compound Motor with starter and switch | DC Compond motor 2.5 kW, 220V with external control pannel fitted with all accessories connected with spring balance load for establishment of the relationship among speed, Torque and rpm in Laboratory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 115 | ELECTRICIAN | EL-E050 | 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. | Motor Generator(DC to AC) set consisting of - Shunt Motor (5 HP, 440V)with starting compensator and switch directly coupled to AC generator (3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf, 50cycles) 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. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 4 |
| 116 | ELECTRICIAN | EL-E051 | AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load. | AC Squirrel Cage Motor (5 HP, 3-Phase, 415 V, 50 Hz) with external control pannel fitted with star delta starter, triple pole iron clad switch, fuse, indicators etc with spring balance load for establishment of the relationship among speed, Torque and rpm in Laboratory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 117 | ELECTRICIAN | EL-E052 | AC phase-wound slip ring Motor with starter switch | AC phase-wound slip ring Motor (5 HP, 3-Phase, 415 V, 50 Hz) with external control pannel fitted with star delta starter, triple pole iron clad switch, fuse, indicators etc with spring balance load for establishment of the relationship among speed, Torque and rpm in Laboratory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 3 |
| 118 | ELECTRICIAN | EL-E053 | Universal Motor with starter/switch | Universal Motor (1 HP, 240 V, 50 Hz) with external control pannel fitted with suitable starter,safety devices, indicators etc . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 4 |
| 119 | ELECTRICIAN | EL-E054 | Synchronous motor with accessories like starter, excitation arrangements. | Synchronous motor (3 Phase, 3 HP, 440V, 50Hz, 4 Pole) with external control panel fitted with accessories like starter, excitation arrangements, Speed controllers etc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 5 |
| 120 | ELECTRICIAN | EL-E055 | Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement | Thyristor /IGBT controlled D.C. motor (1 HP) drive with External Control Panel fitted with ammeter, voltmeter, protective devices like MCB, suitable terminal connector etc. and tacho-generator feedback arrangement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 6 |
| 121 | ELECTRICIAN | EL-E056 | Thyristor/IGBT controlled A.C. motor drive with | Thyristor /IGBT controlled A.C. motor (VVVF controlled 3phase, 2 HP) drive with External Control Panel fitted with ammeter, voltmeter, rpm meter, protective devices like MCB, suitable terminal connector etc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 0 | 0 | 0 | 0 | 7 |
| 122 | ELECTRICIAN | EL-E057 | Single phase Transformer, core type, air cooled | 1 KVA , 240/415 V, 50 Hz box mounted with terminal connections | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 |
| 123 | ELECTRICIAN | EL-E058 | Three phase transformer, shell type oil cooled with Delta/ Star | 3 KVA , 415/240 V, 50 Hz box mounted with terminal connections | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| 124 | ELECTRICIAN | EL-E059 | Electrical Machine Trainer | Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase) (Along with AC 3 phase and single phase motors and slip ring induction motrs)Should be fitted with friction brake arrangement, dynamo meter, instrument panel and power supply unit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 125 | ELECTRICIAN | EL-E060 | Diesel Generator Set with change over switch, over current breaker and water/ air-cooled with armature, star-delta connections AC 3 phase 30 KVA | Ref: Annexure-4-xiii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 |
| 126 | ELECTRICIAN | EL-E061 | Used DC Generators for overhauling practice | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | Shunt Generator | 2.5 KW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | Series Generator | 2.5 KW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | Compound Generator | 2.5 KW | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 127 | ELECTRICIAN | EL-E062 | Pillar Electric Drill Machine Motorized | 12-20 mm Capacity, 1HP, 440V, 3 phase, Induction Motor with DOL starter,with accessories like one set of Morse tapered sockets and sleeves, drill chuck, Work holding devices etc. Bench Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 3 |
| 128 | ELECTRICIAN | EL-E063 | Motorised Bench Grinder | 1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 129 | ELECTRICIAN | EL-E064 | A.C. Series type Motor | AC Series type Motor (1 HP, 240 V, 50 Hz) with external control pannel fitted with suitable starter, safety devices, indicators etc with spring balance load for establishment of the relationship among speed, Torque and rpm in Laboratory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 5 |
| 130 | ELECTRICIAN | EL-E065 | Single Phase Capacitor Motor with starter switch | Electromagnetic induction and FLH, copper wound with super enamel single phase 1HP,230V, 50HZ single phase,1440rpm, B3,S1 Capacitor start capacitor run TEFC, Single shaft extension with D.O.L Starter push | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| 131 | ELECTRICIAN | EL-E066 | Manual Motor coil Winding Machine | Manual Motor coil Winding Machine with Centre Height min. 100mm, Centre distance Min. 120 mm, Max. Dia of Coil 200 mm and wire size 18 to 46 swg with mechanical counter. | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 8 |
| 132 | ELECTRICIAN | EL-E067 | Ceiling fan coil Winding Machine | Ceiling fan coil Winding Machine of 1-Φ, 250V, 50 Hz, with automatic speed control. Stator Diameter 105 mm to 165 mm, wire diameter 30 to 40 swg, Winding speed up to 1400 rpm in clockwise and anti-clockwise direction, Digital preset counter of min. 3 digit | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 2 | 1 | | 0 | 9 |
| 133 | ELECTRICIAN | EL-E068 | Primary current injection set | 220V, 50 Hz, 1-Φ, output current - 200 A (min) with timer | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 6 |
| 134 | ELECTRICIAN | EL-E069 | Stepper Motor with Digital Controller | Ref: Annexure-4-xiv | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 5 |
| 135 | ELECTRICIAN | EL-E070 | Shaded Pole Motor | Ref: Annexure-4-xv | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 2 | 0 | 0 | 0 | 7 |
| 136 | ELECTRICIAN | EL-E071 | Instructor's table | 3+2 drawer instructor table built with Mild steel pipe frame work with particle board table top 20mm thick. Size (W 1370 X H 740 X D 690 ) mm | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 137 | ELECTRICIAN | EL-E072 | Instructor's chair | Instructor Flexi back Chair made with Mild steel tube under structure with faric and cushion upholstery of size (W 609 X H 920 X D 642) mm and 448 mm height. | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 138 | ELECTRICIAN | EL-E073 | Lockers with drawers | Personal Lockers of 18 number per unit size (W 915 X H 1981 X D 483) mm made out of Powder coated Mild steel alloys sheet of 18 swg with a provision of handle type locking system | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 139 | ELECTRICIAN | EL-E074 | Metal rack | 100cm x 150cm x 45cm godrej | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| 140 | R & AC | RAC-E001 | Oxy-acetylene welding set complete | Set Include<br>• Oxygen cylinder- 7 MQ 120 kg/cm$^2$<br>• Acetylene Cylinder- 5 MQ 15 KG/CM2<br>• Harden rubber pipe<br>• Two stage regulator for oxygen cylinder<br>• Two stage regulator for acetylene cylinder<br>• Gas welding blow pipe with various nozzle<br>• Back fire arrestor for oxygen cylinder<br>• Back fire arrestor for acetylene cylinder<br>• Oxy-acetylene cylinder trolley<br>• Cylinder key<br>• Nozzle tip cleaner<br>• Industrial spark lighter<br>• Nozzle tip cleaner | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 141 | R & AC | RAC-E002 | Dry $N_2$ cylinder | 2 stage regulator or commercial $N_2$ in cylinder with drier unit and 2 stage regulator & meter cube | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 142 | R & AC | RAC-E003 | Cassette Air conditioner | • Energy output : 4500 Kcal /hr<br>• Cooling Tonnage : 2.1 ton<br>• tube type : copper<br>• Mounting type : ceiling | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 143 | R & AC | RAC-E004 | Fan coil unit | with water valves (2 & 3 way) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 144 | R & AC | RAC-E005 | Shell and tube, DX chillers (small) | • Capacity : 5 Ton<br>• Tube type : copper<br>• Circulate type: Multiple pass arrangement<br>• Baffels type : Optimum baffer cut and spacing for maximum hear transfer | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 145 | R & AC | RAC-E006 | Circulating water pump (small) | • Power input : 0.5 Hp<br>• Tank type : Stainless steel<br>• Tank capacity : 20 liters<br>• Winding material : copper<br>• Saft material : Stainless steel | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 146 | R & AC | RAC-E007 | Display Cabinet | 2 ton capacity | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 147 | R & AC | RAC-E008 | Water dispenser bubble type (Hot and Cold) | • Table top water dispenser. Hot plain and cold taps.<br>• 2.5 to 3 ltr. Delivery capacity per hour | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 148 | R & AC | RAC-E009 | Air-conditioning, indirect system. (water cooled ) | • Refrigerant : R410a<br>• Inverter technology<br>• Airflow :750 cfm<br>• Star ratting: 5 star<br>• Voltage : 380 – 415 volt | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 149 | R & AC | RAC-E010 | Package A/C | • 5 ton capacity, Air cooled type with open type compressor reciprocating type<br>• Shell & Tube condenser with receiver to pump down the refrigerant.<br>• Water circulating pump attached with the S & T condenser.<br>• FRP Cooling coil connected with water pump through visible pipe to access the water flow. | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 150 | R & AC | RAC-E011 | CAR AC tutorial model (full kit) | • Wooble plate compressor with mounting brackets<br>• serpentine evaporator<br>• parallel flow condenser<br>• hoses for connecting compount gauge<br>• Discharge and suction tubes<br>• receiver | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 151 | R & AC | RAC-E012 | Split A/C ( inverter technology) | Ref: Annexure-4-xvi | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 152 | R & AC | RAC-E013 | Absorption Refrigeration system (Vapour) | 65watts, 41 Litres | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 153 | R & AC | RAC-E014 | Automatic ice cube m/c | 50 kg/hour | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 154 | R & AC | RAC-E015 | Electrical drill.<br>portable drill with chuck and key, | • 600 watt<br>• No Load Speed : 0 - 2800 rpm<br>• 6.4 mm capacity | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 155 | R & AC | RAC-E016 | Bench Drilling machine. | • Power Consumption 750 W<br>• 3 Phase or 1 Phase<br>• 20 mm capacity,<br>• 200-2500rpm | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 156 | R & AC | RAC-E017 | Pressure gauge.<br>Digital type. | • Range : (-)1 to 700 Bar<br>• Can Display Min and Max Value<br>• Diameter 63mm with recalibration set screw. | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 157 | R & AC | RAC-E018 | Compound gauge.<br>Digital type. | • Engineering Unit: Bar, CMHG, INH2O, INHG, KGCM, Kpa, MH2O, MMH2O, MMHG, Mpa, Psi<br>• Connection Thread Size:1/4"<br>• Diameter 63mm with recalibration set screw.<br>• scale vacuum 75mm,pressure 15kg/sq.cm | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 158 | R & AC | RAC-E019 | Split phase induction motor. | • No Load Speed 500-1500 RPM<br>• Mounting Floor<br>• IP Rating IP23<br>• ¼ HP 230 Volts | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 159 | R & AC | RAC-E020 | Capacitor start induction motor. | • Double Capacitor: Start Capacitor And Run Capacitor<br>• Cooper Wire Winding<br>• Mounting Floor<br>• IP Rating IP23<br>• ½ HP, 230 Volts | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 160 | R & AC | RAC-E021 | AC 3 phase Motor. 400/50 Hz. | AC Motor (2 HP, 3-Phase, 415 V, 50 Hz) with external control pannel fitted with star delta starter, triple pole iron clad switch, fuse, indicators etc. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 161 | R & AC | RAC-E022 | Portable air – LPG brazing kit. | • Torche type: single torch , brazing torch fire guard<br>• 2 kg. LPG cylinder, torches, houses, | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 162 | R & AC | RAC-E023 | Voltmeter,<br>AC/DC portable precision grade Digital Panel board type. | AC & DC Digital (7 segment 4 digit) panel mount precision volt meter of range 0 to 500 V | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 163 | R & AC | RAC-E024 | Ammeter.<br>AC/DC portable precision grade Digital Panel board type. | AC & DC Digital (7 segment 4 digit) panel mount precision Ammeter of range 0 to 30 A | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 164 | R & AC | RAC-E025 | Megger. | • Measurement 0.01 kΩ to 1000 kΩ (0 to 1 MΩ )<br>• 1000v<br>• Accuracy ±3% ±2 digits | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 165 | R & AC | RAC-E026 | Wattmeter. | • A 150 to 300 volts AC, 50/60 Hertz.<br>• B multi-range up to 1 KW | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 166 | R & AC | RAC-E027 | Desk Top computers | Ref: Annexure-4-xi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 167 | R & AC | RAC-E028 | Laptop latest configuration | Ref: Annexure-4-xvii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 168 | R & AC | RAC-E029 | Copier machine. | Ref: Annexure-4-xviii | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 169 | R & AC | RAC-E030 | Interactive Board | Ref: Annexure-4-xix | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 170 | CONSTRUCTION ELECTRICIAN | CE-E001 | Vibraters | 3-Phase 42V - 3Phase 230/400Volts | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 171 | CONSTRUCTION ELECTRICIAN | CE-E002 | Bar Bending Machine | 0-50mm | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 172 | CONSTRUCTION ELECTRICIAN | CE-E003 | Plate Vibrator | 1800 m/min | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 173 | CONSTRUCTION ELECTRICIAN | CE-E004 | LCD monitor 32'' | 32"-31.5-inch QHD Near Edgeless Monitor with IPS Panel, 75Hz, 250 Nits, 4ms, AMD FreeSync, TUV Certified Eye Comfort - D32q-20 (Raven Black) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 174 | CONSTRUCTION ELECTRICIAN | CE-E005 | Laptop | Ref: Annexure-4-xvii | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 175 | WIREMEN | WI-E001 | SMALL CRIMPING TOOLS (ASSORTED) 10-100MM | 100 mm made of Alloy steel hard and tempered with non slip plastic handle. | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 176 | WIREMEN | WI-E002 | FORGE WITH HAND BLOWER | Heavy Duty 300mm dia with Electrical Power Source | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 177 | WIREMEN | WI-E003 | CONDUIT PIPE CUTTING AND THREDING MACHINE ADJUSTABLE-15MM TO 30 MM | CONDUIT PIPE CUTTING AND THREDING MACHINE ADJUSTABLE-15MM TO 30 MM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 178 | WIREMEN | WI-E004 | FIRE EXTINGUISHERS DRY CHEMICALS | Ref: Annexure-4-xx | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 179 | WIREMEN | WI-E005 | PORTABLE EXTENSION LADDER ALUMINIUM 06 TO 09 METERS | 6-9 Meters ( up to 27 Feet) Aluminium Midum dutyThree Fold Wall Supporting Extendable Ladder | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 180 | WIREMEN | WI-E006 | HOT WIRE AMMETER (0-15)A | HOT WIRE AMMETER (0-15)A | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 181 | WIREMEN | WI-E007 | PERSONAL COMPUTER SYSTEM WITH PRINTER | Ref: Annexure-4-xi | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 182 | WIREMEN | WI-E008 | UPS 500VA WITH BATTERY 230V | 600 VA UPS 15 to 30 minutes back up time with boost function for low input, Over voltage protection, input supply from 135 V to 300 V | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 183 | WIREMEN | WI-E009 | D C COMPOUND MOTOR(3 H P 250V WITH 4-POINT STARTER AND FIELD REGULATOR LABORATORY TYPE) | DC Compound motor working with Electromagnetic induction and FLH magnetic pole with Pole shoes with curved copper wound with super enamel 3HP, 1500 rpm, 220v, Insulation Class- B, Horizontal Foot Mounting, Mounting Dimensions as per IS4722, Self Fan cooled, Duty Continuous, Enclosure : SPDP, Single Shaft Extension, Solid yoke. 2) Panel equipped with 4-point starter, Ammeter, Voltmeter, Field Ammeters, Switch, Fuse, lamps & Banana terminations. 3) ICTP Switch | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 184 | WIREMEN | WI-E010 | D C SHUNT MOTOR (3 H P 250V WITH 3 POINT STARTER AND SPEED REGULATOR LABORATORY TYPE) | DC Shunt motor working with Electromagnetic induction and FLH, 3 Point starter, magnetic pole with Pole shoes with curved, copper wound with super enamel 3HP, 1500 rpm, 220v, Insulation Class-B, Horizontal Foot Mounting, Mounting Dimensions as per IS4722, Self Fan cooled, Duty Continuous, Enclosure SPDP, Single Shaft Extension, Solid yoke | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 185 | WIREMEN | WI-E011 | MANUAL STAR DELTA STARTER | Three Phase , Coil Voltage 415 , Current Rating 40 A | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 186 | WIREMEN | WI-E012 | SEMI AUTOMATIC STAR DELTA STARTER | Voltage : 415V,Frequency : 50Hz,Horsepower : 5.0 HP | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 187 | WIREMEN | WI-E013 | AUTOMATIC STAR DELTA STARTER | Voltage : 415V,Frequency : 50Hz,Horsepower : 5.0 HP | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 188 | WIREMEN | WI-E014 | AUTOMATIC REVERSE FORWARD STARTER | Voltage : 415V,Frequency : 50Hz,Horsepower : 5.0 HP | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 189 | WIREMEN | WI-E015 | INSTRUCTORS CHAIR-FULL ARM, CANED BACK & SEAT | Instructor Flexi back Chair made with Mild steel tube under structure with faric and cushion upholstery of size (W 609 X H 920 X D 642) mm and 448 mm height. | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 190 | WIREMEN | WI-E016 | WHITE BOARD | White Board size 4Ft X 8 Ft, made of Ceramic material with Aluminium frame | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 191 | WIREMEN | WI-E017 | COMPUTER TABLE | 36" L x 21" W x 30" H or more,To be made with pre-laminated medium density board 18mm thick and edges sealed with PVC edge banding | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 192 | WIREMEN | WI-E018 | COMPUTER CHAIR | Toptal Height 38" or more withPneumatic seat height adjustment by a single lever, 5-prong nylon twin wheel base, 360 degrees revolving and shall be designed with upright position locking with tilt tension adjustment, SS column covered with ABS cover, Push back mechanism with back connector and plastic bellow. | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 193 | INDUSTRIAL ELECTRICIAN | IE-E001 | Pipe vice Cast Iron with hardened jaw open type | Size 100 mm, with fixed base type,Heavy Jaws with hardened for maximum life. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 194 | INDUSTRIAL ELECTRICIAN | IE-E002 | Hand Drill Machine | No Load Speed: 4000 rpm; Chuck Capacity: 0-10 mm ,Maximum Power 350 watts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 195 | INDUSTRIAL ELECTRICIAN | IE-E003 | Portable Electric Drill Machine | 0-13 mm capacity 750w, 240v with chuck and key | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 196 | INDUSTRIAL ELECTRICIAN | IE-E004 | Out Side Micrometer | 0 - 25 mm least count 0.01mm, with carbide measuring faces | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 197 | INDUSTRIAL ELECTRICIAN | IE-E005 | Thermometer Digital | 0° C - 150° C, Pen type model | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 198 | INDUSTRIAL ELECTRICIAN | IE-E006 | Series Test Lamp | 230V, 60W | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 199 | INDUSTRIAL ELECTRICIAN | IE-E007 | Bus bar with brackets | 1 mtr each made of copper strips, 200 Amps with brackets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| 200 | INDUSTRIAL ELECTRICIAN | IE-E008 | Digital Multi Meter | DC 200mv -1000v,0 – 10A & AC 200mv- 750v , 0-10A, resistance 0-20 MΩ and 3 1/2 digit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 201 | INDUSTRIAL ELECTRICIAN | IE-E009 | A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case | Volt meter (moving iron) M I type 0-600 volt range analog laboratory type (instrument) portable meter (A.C. type) knife edge pointer & Anti parallexe mirror scale bakelite case (dust proof) 180 mm x208mmx145 height scale length 140 mm Approx rated Accuracy + 0.1% FDS of full scale Value between 20% to 100% with carrying case made from superior grade | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| 202 | Installation Repair and Maintenance of Home Applicane | IRMHA-E001 | Inverter / UPS trainer | Ref: Annexure-4-xxi | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 203 | Installation Repair and Maintenance of Home Applicane | IRMHA-E002 | Battery charger | Battery Charger 4V to 36V Charging Current: 0.1000 to 2 amps | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 204 | Installation Repair and Maintenance of Home Applicane | IRMHA-E003 | Analog Multi-meter | Voltage:1000V AC&DC Current:Up to 250mA Resistance:2MΩ | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 205 | Installation Repair and Maintenance of Home Applicane | IRMHA-E004 | Clip on Ammeter | Digital clamp meter 0-50amp. 0-100amp. multi range & voltage 0- 300-600 volt case superior grade bakelite body with selector switch scale length about 50 mm the reading should be obtained simply by climpping wire /cable without disconnect.(best quality). | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 206 | Installation Repair and Maintenance of Home Applicane | IRMHA-E005 | Soldering iron | 25w 230 Volts | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 207 | Installation Repair and Maintenance of Home Applicane | IRMHA-E006 | Soldering iron | 75w 230 Volts | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 208 | Installation Repair and Maintenance of Home Applicane | IRMHA-E007 | De-soldering pump | Round Aluminium tip | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 209 | Installation Repair and Maintenance of Home Applicane | IRMHA-E008 | Temp. controlled Soldering/ De-Soldering station | 500 to 600 W with with 60 W Iron bit (5 nos of interchangeable bits of different sizes) and 400 to 500 Watt hot air blower with stand | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 210 | Installation Repair and Maintenance of Home Applicane | IRMHA-E009 | Washing Machine Fully Automatic | 7Kg 1200Rpm Front Load with spinning noise level of 73dB Max | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 211 | Installation Repair and Maintenance of Home Applicane | IRMHA-E010 | Washing Machine Semi Automatic | 8Kg 1350Rpm Top Load | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 212 | Installation Repair and Maintenance of Home Applicane | IRMHA-E011 | Micro wave oven grill type | 42Litre 1350 Watt with Auto Cook feature | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 213 | Installation Repair and Maintenance of Home Applicane | IRMHA-E012 | Micro wave oven convention type | 28Litre 1950 Watt with Auto Cook feature | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 214 | Installation Repair and Maintenance of Home Applicane | IRMHA-E013 | Radiation leakage tester | Ref: Annexure-4-xxii | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 215 | Installation Repair and Maintenance of Home Applicane | IRMHA-E014 | Steam iron | 2400W with 250ml Water Tank | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 216 | Installation Repair and Maintenance of Home Applicane | IRMHA-E015 | Electric rice cooker | 5.4L,750W | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 217 | Installation Repair and Maintenance of Home Applicane | IRMHA-E016 | Electric kettle | 5L, 1000W | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 218 | Installation Repair and Maintenance of Home Applicane | IRMHA-E017 | Mixer-grinder | 750 W Mixer Grinder with 3 nos. of stainless steel jar | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 219 | Installation Repair and Maintenance of Home Applicane | IRMHA-E018 | LCD TV | Ref: Annexure-4-xxiii | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 220 | Installation Repair and Maintenance of Home Applicane | IRMHA-E019 | LED TV | Ref: Annexure-4-xxiv | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 221 | Installation Repair and Maintenance of Home Applicane | IRMHA-E020 | WATER PURIFIER RO+UV+UF+TDS | 6Litre Storage Capacity 50Watt Triple Purification with TDS Regulator<br>Advanced RO, UV technology with UF ensure absolute purity. TDS regulator gives ability to control the final taste of your water. | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 222 | Installation Repair and Maintenance of Home Applicane | IRMHA-E021 | DTH SET TOP BOX | Aspect Ratio 16:9 1080P Full HD 18W | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 223 | Installation Repair and Maintenance of Home Applicane | IRMHA-E022 | DVD SYSTEM | PLAYBACK: AAC, Audio CD, CD Text, DVD+R, DVD+R Double Layer, DVD+RW, DVD-R, DVD-R Dual Layer, DVD-RW, DVD Camcorder 8 cm DVD, DVD Text, DVD Video, HD JPEG, JPEG, KODAK Picture CD, LPCM, MP3, MPEG1, MPEG4, Super VCD, VCD, WMA, Xvid with colour system of PAL/ NTSC | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 224 | Installation Repair and Maintenance of Home Applicane | IRMHA-E023 | 5.1 CHANNEL SOUND SYSTEM | 1000Watt Dolby Digital Sorround with Analogue Audio Input(1), Composite Video Output(1), HDMI Output(1), Optical Audio Input(1), USB Input(1) | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 225 | Installation Repair and Maintenance of Home Applicane | IRMHA-E024 | Printer Inkjet/ Laser Jet | Ref: Annexure-4-xii | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 226 | Installation Repair and Maintenance of Home Applicane | IRMHA-E025 | Scanner | Ref: Annexure-4-xxv | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

| Sl.No. | Trade | Item Code | Name of the Tool, Machinery / Equipment | Specification | Name of the ITI and Quantity | | | | | | | | | | | | | | | Total Quantity |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Govt. ITI, Rajam | Govt. ITI, Bobbili | Govt. ITI (O), Visakhapatnam | Govt. ITI, Kakinada | Govt. ITI, Bhimavaram | Govt. ITI, Vijayawada | Govt. ITI, Tenali | Govt. ITI (B), Ongole | Govt. ITI(B), Nellore | Govt. ITI(G), Nellore | Govt. ITI, Tada | Govt. ITI, Chitoor | Govt. ITI, Tirupathi | Govt. ITI, Srisailam | Govt. ITI, Chakrayapet | |
| 227 | Installation Repair and Maintenance of Home Applicane | IRMHA-E026 | Un Interrupted Power Supply (UPS) | 1000VA / 600W, 230V UPS System LCD Display and Sleek Design<br>6 nos. India 3 Pin 6A Output Socket – 4 with Battery backup & 2 with Surge protection Outlets<br>Automatic Voltage Regulator (AVR) with Wide Input Voltage Range of 170-294V with 45min to 60min Power Backup | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 228 | Lineman Distribution (Multi Skilled) | LDMS-E001 | Drilling Machine | Portable Hand Drilling Machine 750w, up to 1000 rpm, 115 to 235 V with drill chuck up to 13 mm capacity and chuck key | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 229 | Lineman Distribution (Multi Skilled) | LDMS-E002 | Current transformer | 10/1, 20/1,30/1,50/5, 100/5 and 300/5A | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 230 | Lineman Distribution (Multi Skilled) | LDMS-E003 | Potential transformer | 220/110 v, 300/110 v, 440/110 v, 600/110 v | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 231 | Lineman Distribution (Multi Skilled) | LDMS-E004 | Earth Tester | LCD Digital Display1999-count digital reading | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 232 | Lineman Distribution (Multi Skilled) | LDMS-E005 | Earth leakage circuit breaker (ELCB) | 220V/25mA | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 233 | Lineman Distribution (Multi Skilled) | LDMS-E006 | DC power supply | Ref: Annexure-4-i | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 234 | Lineman Distribution (Multi Skilled) | LDMS-E007 | Multi Meter | DC 200mv -1000v,0 – 10A & AC<br>200mv- 750v , 0-10A, resistance 0-20<br>MΩ and 3 1/2 digit with Diode and Transistor Checking modes Frequency and Capacitance Check | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 235 | Lineman Distribution (Multi Skilled) | LDMS-E008 | Ohm meter; series & shunt type. | 0.1milliohm resolution on 2 ohm scale, upto60 conversions per second | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 236 | Lineman Distribution (Multi Skilled) | LDMS-E009 | Tri vector meter | High precision tri vectors static energy meters (bidirectional meter four quadrant) of accuracy class 0.2s for 66KV and above & 0.5s for Voltage Level 11kv to 33KV Voltage Level meters capable of performing functions of energy audit/ load survey and metering for tariff purposes. | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 237 | Lineman Distribution (Multi Skilled) | LDMS-E010 | Dampers | variable auto Transformer,0-28 Amperes, 0-270 Volts, Single phase, 50 HZ | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| 238 | Lineman Distribution (Multi Skilled) | LDMS-E011 | Lightening Arrester | 10ka 33kvLightning Arrester,porcelain, class B | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 239 | Lineman Distribution (Multi Skilled) | LDMS-E012 | Transformer oil testing kit, 100 KV | Oil testing kit manual / motorized compact size fully equipment control panel with inter locking resin cest H.T transformers shock protection over load protection host om models between 60-80-100 K.V. suitadle for BDV testing of oils as par complite accessories. | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 240 | Lineman Distribution (Multi Skilled) | LDMS-E013 | Conduit pipe cutting and threading machines adjustable | Conduit Pipe Cutting and Threading Machine Adjustable-15mm to 30 mm | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 241 | Lineman Distribution (Multi Skilled) | LDMS-E014 | Conduit pipe bending machine | Hydraulic Pipe Bender, Conduit pipe bending machine,suitable for 15mm, 18 mm 25 mm and 30 mm pipe .Bending Angle upto 90 Degree. | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 242 | Lineman Distribution (Multi Skilled) | LDMS-E015 | Stool for trainees | Stainless steel, Revolving type seat with adjustable height | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 243 | Lineman Distribution (Multi Skilled) | LDMS-E016 | Cupboard (big)/Almirah | 18 swg, 7' height, 4 shelves , steel almirah | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 244 | Lineman Distribution (Multi Skilled) | LDMS-E017 | Digital Wattmeter | 230V,1KW 50HZ,LED seven segment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 245 | Lineman Distribution (Multi Skilled) | LDMS-E018 | Digital Energy meter | single phase,die cast , 5A -30A | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 246 | Lineman Distribution (Multi Skilled) | LDMS-E019 | Electrical winding machine | Winding Machine of 1-Φ, 220V, 50 Hz, with automatic speed control. Stator Diameter 105 mm to 165 mm, wire diameter 30 to 40 swg, Winding speed up to 1400 rpm in clockwise and anti-clockwise direction, Digital preset counter of min. 3 digit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 247 | Lineman Distribution (Multi Skilled) | LDMS-E020 | Electrical Energy meter reading (Digital )Mechine | single phase 220v- 240v,Digital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| **TOTAL** | | | | | **0** | **0** | **187** | **0** | **20** | **37** | **90** | **88** | **11** | **8** | **44** | **14** | **2** | **1** | **0** | **504** |

Sd/- B.Lavanya Veni,
DIRECTOR

for DIRECTOR