

STRIVE

PROCUREMENT 1st PHASE

ACTION PLAN

GOVT ITI (GIRLS)[GR28000270]

NELLORE, SPSR Nellore Dt.,

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
PACKAGE-1							
1	LMV Vehicle	In working condition	Chauffeur / Taxi Driver (ASC/Q9714)	1	7.07	7.07	competitive bidding/ E-Procurement
2	Simulators	LMV	Chauffeur / Taxi Driver (ASC/Q9714)	1	2.00	2.00	competitive bidding/ E-Procurement
3	Air Compressor	Hulk Lokpal 2.5 HP, AC three phase compressor	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.18	0.18	competitive bidding/ E-Procurement
4	Engine Assembly (Petrol Or Diesel)	Good	Chauffeur / Taxi Driver (ASC/Q9714)	1	1.50	1.50	competitive bidding/ E-Procurement
5	Gear box	LMV/HMV Range	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.40	0.40	competitive bidding/ E-Procurement
6	Clutch Plate, Pressure Plate	Good & Failed parts	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.08	0.08	competitive bidding/ E-Procurement
7	Engine Parts Like Piston, Liner, Valves	Good & Failed parts	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.06	0.06	competitive bidding/ E-Procurement
8	Front axle	LMV/HMV Range	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.25	0.25	competitive bidding/ E-Procurement
9	Hand Tools For Vehicle Maintenance (Taparia)	Spanners & Sockets for the vehicle on hand	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.05	0.05	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
10	Rear axle		Chauffeur / Taxi Driver (ASC/Q9714)	1	0.15	0.15	competative bidding/ E-Procurement
11	Tyre Inflator		Chauffeur / Taxi Driver (ASC/Q9714)	1	0.03	0.03	competative bidding/ E-Procurement
12	Tyre Repair Kit		Chauffeur / Taxi Driver (ASC/Q9714)	1	0.01	0.01	competative bidding/ E-Procurement
13	Transmission Parts	Gears and bushes	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.02	0.02	competative bidding/ E-Procurement
14	First aid kit	to be regularly relpenished	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.03	0.03	competative bidding/ E-Procurement
15	fire extinguisher	ABC Type & duly refilled	Chauffeur / Taxi Driver (ASC/Q9714)	1	0.06	0.06	competative bidding/ E-Procurement
16	Therapy Beds		Beauty Therapist (BWS/Q0102)	6	0.18	1.05	competative bidding/ E-Procurement
17	Manicure Trolley With Bowls		Beauty Therapist (BWS/Q0102)	4	0.05	0.20	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
18	Equipment Trolley Beauty		Beauty Therapist (BWS/Q0102)	3	0.04	0.12	competative bidding/ E-Procurement
19	Therapy Stools		Beauty Therapist (BWS/Q0102)	3	0.08	0.24	competative bidding/ E-Procurement
20	Pedicure Chair		Beauty Therapist (BWS/Q0102)	4	0.09	0.36	competative bidding/ E-Procurement
21	Video Dermoscope		Beauty Therapist (BWS/Q0102)	1	0.10	0.10	competative bidding/ E-Procurement
22	Hi Frequency		Beauty Therapist (BWS/Q0102)	2	0.07	0.14	competative bidding/ E-Procurement
23	Ultrasonic		Beauty Therapist (BWS/Q0102)	1	0.15	0.15	competative bidding/ E-Procurement
24	Galvanic		Beauty Therapist (BWS/Q0102)	1	0.07	0.07	competative bidding/ E-Procurement
25	Pedicure Tool Steriliser		Beauty Therapist (BWS/Q0102)	1	0.03	0.03	competative bidding/ E-Procurement
26	Wax Heater		Beauty Therapist (BWS/Q0102)	4	0.01	0.04	competative bidding/ E-Procurement
27	Face Steamer		Beauty Therapist (BWS/Q0102)	1	0.01	0.01	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
28	Hot Cabinet		Beauty Therapist (BWS/Q0102)	3	0.10	0.30	competative bidding/ E-Procurement
29	Foot Spa		Beauty Therapist (BWS/Q0102)	4	0.14	0.54	competative bidding/ E-Procurement
30	Paraffin Wax Heater		Beauty Therapist (BWS/Q0102)	2	0.01	0.02	competative bidding/ E-Procurement
31	Make Up Brush Set		Beauty Therapist (BWS/Q0102)	1	0.00	0.00	competative bidding/ E-Procurement
32	Sewing Machine	Domestic sewing machine	Self Employed Tailor (2016/APR/AMHSSC/1650)	15	0.11	1.62	competative bidding/ E-Procurement
33	Pentium IV computers or latest	I7 8700 8 GB/ 1000 GB HDD/ Windows 10 Professional, Intel H370	Electrician (NSQF)	2	0.84	1.68	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
34	Desktop Computer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch. Licensed Operating System and Antivirus compatible with trade related software.	Refrigeration and Air Condition Technician (NSQF)	1	0.84	0.84	competative bidding/ E-Procurement
35	Computers(PC) with latest configurations /and internet connection with standard operating system and standard word processor and worksheet software (licenced)	i5 System with minimum 8GB RAM connected to internet	Fitter (NSQF) for Employability skills	10	0.84	8.40	competative bidding/ E-Procurement
36	Laptop latest configuration	i5 with minimum 8GB RAM connected to internet	Refrigeration and Air Condition Technician (NSQF)	1	0.58	0.58	competative bidding/ E-Procurement
37	Laptop latest configuration	i5 with minimum 8GB RAM connected to internet	Electronics Mechanic (NSQF)	1	0.58	0.58	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
38	laser printer	Laser jet pro & A4 scanner	Electrician (NSQF)	1	0.18	0.18	competitive bidding/ E-Procurement
39	Copier machine.	A4 size	Refrigeration and Air Condition Technician (NSQF)	1	0.50	0.50	competitive bidding/ E-Procurement
40	Laserjet Printer	Laserjet	Electronics Mechanic (NSQF)	1	0.18	0.18	competitive bidding/ E-Procurement
TOTAL:						29.80	
PACKAGE-2							
1.	Discrete Component Trainer	Discrete Component (for diode and transistor circuit) with regulated power supply +5,0- 5 V,+12 ,0-12 V	Electrician (NSQF)	1	0.50	0.50	competitive bidding/ E-Procurement
2.	Domestic Appliances –						
	a. Electric Induction plate	1500 Watt, 240V	Electrician (NSQF)	1	0.04	0.04	competitive bidding/ E-Procurement
	b. Electric Kettle	1500 Watts, 240V	Electrician (NSQF)	1	0.02	0.02	competitive bidding/ E-Procurement
	c. Electric Iron	Automatic - 750 W, 240 V	Electrician (NSQF)	1	0.03	0.03	competitive bidding/ E-Procurement
	d. Immersion Heater	1500 Watt, 240V	Electrician (NSQF)	1	0.01	0.01	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
	e. A.C. Ceiling Fan and AC Table Fan	68 Watt, 230 V	Electrician (NSQF)	1	0.07	0.07	competitive bidding/ E-Procurement
	f. Geyser (Storage type)	10 litre	Electrician (NSQF)	1	0.10	0.10	competitive bidding/ E-Procurement
	g. Mixture & Grinder	750 W, 240 V	Electrician (NSQF)	1	0.09	0.09	competitive bidding/ E-Procurement
	h. Washing Machine Semi Automatic	5 Kg,	Electrician (NSQF)	1	0.35	0.35	competitive bidding/ E-Procurement
	i. Motor Pump set	1 HP, 1 Phase, 240 V	Electrician (NSQF)	1	0.20	0.20	competitive bidding/ E-Procurement
3.	Inverter with Battery	1 KVA with 12 V battery INPUT - 12 Volt DC Out put - 220 Volt AC	Electrician (NSQF)	1	0.19	0.19	competitive bidding/ E-Procurement
4.	Battery Charger	0 - 6 - 9 - 12 - 24 - 48 V, 30 Amp	Electrician (NSQF)	1	0.10	0.10	competitive bidding/ E-Procurement
5.	Thyristor/IGBT controlled A.C. motor drive with	VVVF control 3 Phase, 2 HP	Electrician (NSQF)	1	0.25	0.25	competitive bidding/ E-Procurement
6.	Shaded Pole Motor	Fractional HP, 240 V, 50 Hz	Electrician (NSQF)	1	0.05	0.05	competitive bidding/ E-Procurement
7.	Primary current injection set	220V, 50 Hz, 1- Φ , output current - 200 A (min) with timer	Electrician (NSQF)	1	1.17	1.17	competitive bidding/ E-Procurement
8.	Pillar Electric Drill Machine Motorized	12-20 mm Capacity, 1HP, 440V, 3 phase, Induction Motor with DOL starter, Bench Type	Electrician (NSQF)	1	0.60	0.60	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
9.	Manual Motor coil Winding Machine	With step arbor	Electrician (NSQF)	1	0.05	0.05	competative bidding/ E-Procurement
10.	Diesel Generator Set with change over switch, over current breaker and water/ air-cooled with armature, star-delta connections AC 3 phase	7.5 KVA, 415 volt or higher rating	Electrician (NSQF)	1	3.00	3.00	competative bidding/ E-Procurement
11.	Digital type tachometer	0-10000 Counts	Instrument Mech (NSQF)	1	0.07	0.07	competative bidding/ E-Procurement
12.	Stroboscope	digital	Instrument Mech (NSQF)	1	0.10	0.10	competative bidding/ E-Procurement
13.	D.C. regulated power supply	(+/-15V / +/- 30V) 0-3 Amp display for voltage and current. 0-30 V , 0-2 A, dual power supply with digital display	Instrument Mech (NSQF)	2	0.14	0.28	competative bidding/ E-Procurement
14.	Digital multi signal generator	(1 MHz) with frequency counter (8 digit or 10 MHz)	Instrument Mech (NSQF)	1	0.10	0.10	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
15.	Digital function generator	1 MHz -10 MHz Function- Pulse-Modulation Generator with Built in 40MHz Frequency Counter	Instrument Mech (NSQF)	1	0.09	0.09	competitive bidding/ E-Procurement
16.	Analog dual trace CRO	30MHz, dual trace	Instrument Mech (NSQF)	1	0.21	0.21	competitive bidding/ E-Procurement
17.	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	Instrument Mech (NSQF)	1	0.14	0.14	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
18.	Trainers on power supplier's half wave rectifier, full wave rectifier	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.	Instrument Mech (NSQF)	2	0.14	0.28	competitive bidding/ E-Procurement
19.	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.	Instrument Mech (NSQF)	1	0.26	0.26	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
20.	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.	Instrument Mech (NSQF)	1	0.19	0.19	competitive bidding/ E-Procurement
21.	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.	Instrument Mech (NSQF)	1	0.12	0.12	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
22.	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 & 0-50 amps,Resistance measuring circuit range: 0-2000 $\mu\omega$, 0-20 Mohm, 0-2000 Mohm, 0- 20ohm,0-200ohm,0-2000ohm & 0-20 Kohm.	Instrument Mech (NSQF)	1	1.39	1.39	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
23.	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.	Instrument Mech (NSQF)	1	2.12	2.12	competative bidding/ E-Procurement
24.	Optical pyrometer with all accessories	Digital /Analog display, 800°C to 1500°C or above Measurement Range with accessories	Instrument Mech (NSQF)	1	0.18	0.18	competative bidding/ E-Procurement
25.	Radiation Pyrometer with all accessories	250 to 900 Deg. C or above Temp. range, DC Power Supply, scalable 4 – 20 mA Output.	Instrument Mech (NSQF)	1	0.41	0.41	competative bidding/ E-Procurement
26.	ADC to DAC cards	Analog to Digital Converter 8 channel study card and Digital to Analog Converter study card with necessary attachment to complete experiment.	Instrument Mech (NSQF)	2	0.05	0.11	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
27.	" U" tube manometers	Glass tube type 500 mm, with protecting case, safety over flow wells, scale adjustment facility, ground balance with spirit leveler.	Instrument Mech (NSQF)	1	0.91	0.91	competitive bidding/ E-Procurement
28.	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.	Instrument Mech (NSQF)	1	2.66	2.66	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
29.	P to I and I to P converters	P/I converter : 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	Instrument Mech (NSQF)	1	1.14	1.14	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
30.	Hydraulic trainer	Hydraulic Trainer with Equipment trays - 2nos., Pressure gauges, Hydraulic Motor, 4/2 & 4/3 (with different mid position) way hand lever valve - 3nos each, Pressure sequence valves & pressure reducing valve – 2 nos each, pressure relief valves, flow control valves & Non-return valves-2 Nos Each (one each sub plate type), Shut-off valves,Diaphragm accumulator, Weight up to 10 kg- 1 no., 2/2 way plunger / stem actuated – 2 nos., Standard hoses with quick connectors, Flow dividing valve – 1 no., 5-way distributor with pressure gauge - 1no.s All components should be mounted on Aluminum profile plate on working condition.	Instrument Mech (NSQF)	1	1.81	1.81	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
31.	Pneumatic trainer	Pneumatic trainer consists with Pressure Gauge, Pneumatic Motor, Single Acting Cylinder, Double Acting Cylinder, Air Filter Regulator Lubricator with pressure Gauge Hand Lever Operated Valves: 2 Nos, 5/2 way& 3/2-way, Solenoid Valve: 2 Nos, 5/2 way& 3/2 way, Pilot Operated Valve: 5/3 Spring Centered, 5/2Spring Returned, 3/2 Pilot Operated. Palm Operated Valve: 3/2-way Valve, Roller Lever Valve: 5/2 way, 3/2-way Valve, Shuttle Valve: OR Valve, AND Valve: Dual Pressure Valve, Flow Control Valve, Non-Return Valve, Block Manifold: 6 ways, Plastic Tubing as per require, Quick Push-Pull connectors, Air Compressor. All components should be mounted on Aluminum profile plate on working condition.	Instrument Mech (NSQF)	1	1.38	1.38	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
32.	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.	Instrument Mech (NSQF)	1	2.02	2.02	competative bidding/ E-Procurement
33.	Flow nozzle	SS Flow nozzle flange Type mounting with manifold assembly, sump tank, measuring tank, pump, mercury manometer, mounted on suitable frame structure.	Instrument Mech (NSQF)	1	0.33	0.33	competative bidding/ E-Procurement
34.	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.	Instrument Mech (NSQF)	1	0.67	0.67	competative bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
35.	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 inverter, to study the all type of controls, suitable pipes and fittings, seamless data transfer unit, SCADA, Computer .	Instrument Mech (NSQF)	1	2.67	2.67	competitive bidding/ E-Procurement
36.	UPS	on line UPS 10KVA , 120 Volts commercial UPS	Electronics Mechanic	1	1.00	1.00	competitive bidding/ E-Procurement

**LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR
NEW SHORT TERM COURSES & UP-GRADATION TRADES**

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
37.	Hydraulic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mm XH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mm xH158mm each, and overall size of Drawer unit (Approx.) - L470mmxW495mmxH825mm and (3) Drawer slide height (Approx.) 85mm.	Fitter (NSQF)	1	1.50	1.50	competitive bidding/ E-Procurement
38.	Compressor unit	suitable for Pressure: 8 bar, Delivery: 50 lpm (or more), Reservoir capacity: 24 Litres (or more), 230V, 50 Hz, with pressure regulator and water separator	Fitter (NSQF)	1	0.46	0.46	competitive bidding/ E-Procurement

LIST OF REQUIRED 1st PHASE TOOLS/MACHINERY/EQUIPMENT UNDER STRIVE WITH TENTATIVE RATES FOR NEW SHORT TERM COURSES & UP-GRADATION TRADES

NAME OF THE ITI: Govt. ITI(Girls), Nellore (GR28000270)

1st PHASE

Zone: III

S.No	Name of the Item	Specifications	Trade/Course for which it is required	Quantity Required	Rate/Unit (in INR Lakhs)	Total Amount (in INR Lakhs).	Method of procurement (Shopping/ competitive bidding)
39.	Pneumatic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Work Table – Size(Approx.) L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – x W495mm x H158mm each, and overall size of Drawer unit (Approx.) - L470mm x W495mm x H825mm and (3) Drawer slide height (Approx.) 85mm.	Fitter (NSQF)	1	0.76	0.76	competitive bidding/ E-Procurement
						TOTAL:	30.16
						GRAND TOTAL:	59.96

ABSTRACT

Sl. No	package	Name of the Trade/Package	Amount
1.	Package - 1 (Short Term courses and Upgradation Trades Computer Peripherals	Chauffeur / Taxi Driver, Beauty Therapist,Self Employed Tailor, Electrician, Fitter, Refrigeration and Air conditioning Technician and Electronics Mechanic	29.80
2.	Package - 2 - Upgradation Trades	Electrician, Instrument Mechanic, Electronics Mechanic and Fitter	30.16
Total :			59.96

K. Ram
17/7/2021
Store Keeper
Govt. ITI(Girls), Nellore

V. Venkateswarlu
17/7/2021
Member(GWPC)/Sr. Assistant
Govt. ITI(Girls), Nellore

V. Venkateswarlu
Training Officer/Stores
Govt. ITI(Girls), Nellore

P. Srinivas
Member (GWPC)/ Training Officer
Govt. ITI(Girls), Nellore

Sr. Subbulakshmi
A.T.O(Electrical)/ Technical Expert
Govt. ITI(Girls), Nellore

D. Gopinath
A.T.O(Fitter)/ Technical Expert
Govt. ITI(Girls), Nellore

P. Balaji
A.T.O(Electronics)/ Technical Expert
Govt. ITI(Girls), Nellore

Sk. mohammadal. Ato mech
A.T.O(Mechanic (Ref & AC))/ Technical Expert
Govt. ITI(Girls), Nellore

P. Vasanthi Kumar
A.T.O(Dress Making)/ Technical Expert
Govt. ITI(Girls), Nellore

S. Suresh
22/7/2021
Chairman
IMC OF ITI (GIRLS)
NELLORE

S. Prabha
Secretary
IMC OF ITI (GIRLS)
NELLORE
17/7/2021