

**TAMIL NADU OPEN UNIVERSITY**  
**School of Continuing Education**

**Vocational Diploma in Refrigeration and AC Technician (VDRA)**

1	Name of the Institution, where Community College is proposed	
2	Approval of DOTE/Employment and Training if any	
3	Whether the Institution is a Polytechnic College/ITI/NGO	
4	Whether the institution is Community College (if yes please attach tie-up and industrial partner details)	
5	Infrastructural Facilities Required for the VDRA Programme	
	a. 2/3 Class Rooms for conducting class	
	b. General Tools (Figures in bracket shows nos)	Please Tick
	(1).Ball Peen Hammer 500 gm(1)	
	(2).Combination Plier 8 inches(1)	
	(3).Nose Plier 6 inches(1)	
	(4).Open end Spanner 6 to 22(1)	
	(5).Screw Driver Set 12 inches(1)	
	(6).Screw Driver Set (Flat, Star) 8 inches(1)	
	(7).Tester 240 Volts(1)	
	(8).File Flat Smooth 8 inches(1)	
	(9).Bench Vice 6 inches(1)	
	(10).Hacksaw Frame Adjustable 8 to 12 inches(1)	
	(11).Hacksaw Frame Fix 6 inches(1)	
	(12).Adjustable Spanner 12 inches(1)	
	(13).Centre Punch 4 inches(1)	
	(14).Chese Fiat 6 inches(1)	
	(15).Filler Gauge(1)	
	(16).Snip 12 inches(1)	
	(17).Solder Iron (Electrical) (1)	
	(18).Inside Clipper 6 inches(1)	
	(19).Outside Clipper 6 inches(1)	
	(20).Monkey Spanner Adjustable(1)	
	(21).Wheel Puller(1)	
	(22).Wire Cutter (1)	
	c. Special Refrigeration-Tools(Figures in bracket shows nos)	
	(1).Flaring Tools –Block(1)	
	(2).Flaring Tools- Yock(1)	
	(3).Swadzing Tools 3/16.1/4.5/16.3/8.1/2.5/8(1)	
	(4).Tube Cutter(1)	
	(5).Valve Key(1)	
	(6).Gas Cylinder(1)	

(7).Spring Blender(1)	
(8).Pulley Bender 3/8, 1/2(1)	
(9).Pinching Tools(1)	
(10).T Shape Alien Key 1/ 8(1)	
(11).Continuity Tester(1)	
(12).Vacuum Pump(1)	
(13).Flexible Charging Line 3 Ft(1)	
(14).Servicing Brass (1)	
(15).Charging Valve(1)	
(16).Blow Lamp(1)	
(17).Reflector & Gauge Manifold(1)+ (1)	
d. Measuring Tools(Figures in bracket shows nos)	
(1).Compound Gauge-30 to 150 P.S.I.G(1)	
(2).Pressure Gauge 0 to 300 P.S.I.G(1)	
(3).Measuring Tape 5 Feet(1)	
(4).Ammeter 0 to 30 AMPS(1)	
(5).Volt Meter 300 Volts(1)	
(6).Series Parallel Testing Board(1)	
(7).Thermo Meter(1)	
(8).Multimeter(1)	
(9).Wire Gauge(1)	
(10).Cappitary Gauge(1)	
(11).Clamp Meter(1)	
e. Equipments (Figures in bracket shows nos)	
(1).Hermetic Compressor(1)	
(2).Open Type Compressor(1)	
(3).Rotary Compressor(1)	
(4).Plate & Tube Type Condenser(1)	
(5).Rod Type Condenser(1)	
(6).Fin & Tube Type Condenser(1)	
(7).Capillary Expansion Valve(1)	
(8).Thermo static Expansion Valve(1)	
(9).Filter Drier 50 Gm(1)	
(10).Plate & Tube Type Evaporator(1)	
(11).Fin & Tube Evaporator(1)	
(12).Refrigerator(1)	
(13).Window Air Conditioner(1)	
(14).Split Air-Conditioner(1)	
(15).Motor(1)	
(16).Deep Freezer(1)	
f. Electrical Components(Figures in bracket shows nos)	
(1).Thermostat(1)	
(2).Starting Capacitor 80 to 100 MFD(1)	
(3).Running Capacitor 4,6,25,36,45 MFD(1)	
(4).L.M.S. Relay Wire Type 1/8 HP(1)	
(5).L.M.S. Relay Pin Type 1/8 HP(1)	
(6).Combination Relay 1/8 HP(1)	

	(7).Over Load Protector 2 Pin(1)	
	(8).Over Load Protector 3 Pin(1)	
	(9).Potential Relay(1)	
	(10).High Pressure Control(1)	
	(11).Low Pressure Control & Solnoed Valve(1)+ (1)	
6	Academic Requirements for VDRA Programme (Enclose Bio Data as per the format given by TNOU)	(Please Tick)
	VDRA-1: Refrigerator and Refrigeration	Degree/Diploma in Refrigeration and Air conditioning
	VDRA-2: Air Conditioner and Air Conditioning	Degree/Diploma in Refrigeration and Air conditioning
	VDRA-3: Special Cooling Systems	Degree/Diploma in Refrigeration and Air conditioning
	CNS -1Communication Skills	Degree in English
	LCS-1: Life Coping Skills	Degree in Social Work

I Dr/Shri/Smt\_\_\_\_\_ certify that the above infrastructural facilities are available in the proposed Community College and the same may be verified at any time.

**Seal of the Organisation**

**Signature of Head of the Organisation**