

Annexure-V

.Name of laboratory : Refrigeration & Air Conditioning.

Sr. No.	Name of Equipt./Machinery	Technical Specifications	Minimum Qty./Nos. Required	Remark if any
1	Water cooler test rig.(100 Ltr.)	capacity 60 lit. hermetically sealed comp.-0.6 HP with air cooled condensor 1/2 hp, rotameter-100lit./hr, filter dryer, Energymeter ,digital voltmeter and ammeter and temp. indicator, evaporator tank capacity 60lit.	1	
2	Ice plant test rig.	capacity 20kg/day , hermetically sealed comp.-0.3 HP with air cooled condensor 1/2 hp, rotameter-100lit./hr, filter dryer, digital voltmeter and ammeter and temp. indicator, evaporator brine tank capacity 20lit.	1	
3	Working Domestic refrigerator.	160 litre	1	
4	RAC Controls	i) L.P./H.P. cut outs ii) Thermostat iii) Overload protector, iv)solenoid valve .	1 Each	
5	Working Hermetically sealed compressor.	1 Tonne capacity	1	
6	Air Conditioning test rig.	1 Tonne capacity with air cooled condensor cooling fan 0.1 hp, rotameter-100lit./hr, filter dryer, digital voltmeter and ammeter and temp. indicator, evaporator	1	
7	Working Window Air Conditioner	Normal cooling capacity 2.0 Ton, 6000 Kcal/hour, 24000 BTU/hour, Single phase 230 volts voltage, frequency 50 Hz	1	