

AIR-CONDITION MACHINE

Item No.	Description of Item	Unit	Rate (₹)
1.	WINDOW AC UNITS		
	<p>Supply, Installation, Testing, and Commissioning of Window type Air conditioners of following capacities comprising copper Evaporator & Condenser Coil with factory-charged Rotary/Scroll compressors (R-32/R-410A) including FRLS type copper power cable (up to 3 m) with suitable plug top and wireless remote control with suitable battery. The system shall operate on 230V, 50Hz (\pmtolerance as per applicable standard), single-phase AC supply, providing cooling, dehumidification, and air circulation functions conforming to IS-1391 (Part-I) with all amendments, and shall be capable of efficient performance at outdoor ambient temperatures up to 50°C, with a minimum 5-year OEM warranty on both the compressor and PCB. Sound level of up to 56 dB inside the room is acceptable The system shall be installed with S&F appropriate fixing arrangements as per OEM recommendations, including wall openings, mending well the damages and making necessary connections including T&P & labour etc as required complete in all respect as per the direction of EIC.</p>		
1.1.	Cooling Capacity - 4.0 kW (Minimum) , Minimum ISEER - 3.5, BEE level - 4-Star(min)	Each	27,953.00
1.2	Cooling Capacity - 5.0 kW (Minimum) , Minimum ISEER - 3.5, BEE level - 4-Star(min)	Each	36,022.00

2. **HI - WALL SPLIT SYSTEMS**

Supply, Installation, Testing, and Commissioning of air-cooled Hi-Wall split type air conditioners of following capacities comprising Indoor and Outdoor Units with factory-charged Rotary/Scroll compressors (R-32/R-410A) including surface/concealed copper refrigerant piping insulated with closed-cell elastomeric nitrile rubber insulation and wrapping tape (up to 3 m), FRLS type copper power cable (up to 3.5 m) with suitable plug top, 3 meters of drain pipe, and wireless remote control with suitable battery. The system shall operate on 230V, 50Hz (\pm tolerance as per applicable standard), single-phase AC supply, providing cooling, dehumidification, and air circulation functions conforming to IS-1391 (Part-II) with all amendments, and shall be capable of efficient performance at outdoor ambient temperatures up to 50°C, with a minimum 5-year OEM warranty on both the compressor and PCB. The system shall be installed with S&F appropriate fixing arrangements as per OEM recommendations, including wall openings, mending well the damages and making necessary connections including T&P & labour etc as required complete in all respect as per the direction of EIC.

Item No.	Description of Item	Unit	Rate (₹)
2.1	Cooling Capacity- 3.5 kW (Minimum) , Air Flow Rate:400 CFM (Minimum) Minimum ISEER - 5.0, BEE level - 4-Star(min)	Each	36,157.00
2.2	Cooling Capacity- 5.2 kW (Minimum) , Air Flow Rate:600 CFM (Minimum) Minimum ISEER - 5.0, BEE level - 4-Star(min)	Each	40,456.00
2.3	Cooling Capacity- 6.1 kW (Minimum) , Air Flow Rate:800 CFM (Minimum) Minimum ISEER - 5.0, BEE level - 4-Star(min)	Each	52,281.00
3.0	Supplying, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of 19 mm thick insulation as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :		
3.01	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	RM	Rs. 223.00
3.02	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	RM	Rs. 294.00
3.03	12.7 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	RM	Rs. 406.00
3.04	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	RM	Rs. 507.00
4.0	S&F of additional following items for length exceeding 3.5 mtr for complete installation and commissioning of aboove AC machines. i) 2.5 sqmm, 3/4 core copper cable (FRLS type)	RM	Rs. 102.00
5.0	Supply & laying Soft Drawn PVC Drain Pipe 19mm dia with proper supports & brackets as per direction EIC.	RM	Rs. 62.00
6	CASSETTE TYPE SPLIT UNITS AIR-CONDITION MACHINE (INVERTER MODEL)		
6.01	Supply, Installation, Testing, and Commissioning of 230V, 1 phase, 50 Hz Inverter Type Ceiling suspended Cassette type Air conditioners complete with wireless Remote having the capable of performing of cooling capacity 26000 BTU/hr or 7620 W (Minimum), dehumidification, air circulation, R-32/R-410A Green Refrigerant and variable speed inverter rotary compressor with 100% copper condenser coil with anti-corrosion coating, ISEER more than 5 and Air flow rating 990 CFM (Min) including Printed Circuit Board (PCB) with metal enclosers and min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and PCB and maintaining the noise level between 35 dB to 45 dB at inside the room is acceptable. The unit shall be in confirmation with IS 1391 Part-II 2023.The system shall be able to deliver 100% of the rated capacity upto 42 degree C and operate up to 52 degree C ambient temperature.	Each	78755.00

Item No.	Description of Item	Unit	Rate (₹)
6.02	Supply, Installation, Testing, and Commissioning of 230V/440V, 1-Ph/3-Ph, 50 Hz Inverter Type Ceiling suspended Cassette type Air conditioners complete with wireless Remote having the capable of performing of cooling capacity 36000 BTU/hr or 10550 W (Minimum), dehumidification, air circulation, R-32/R-410A Green Refrigerant and variable speed Scroll compressor with 100% copper condenser coil with anti-corrosion coating, ISEER more than 5 and Air flow rating 1310 CFM (Min) including Printed Circuit Board (PCB) with metal enclosers and min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and PCB and maintaining the noise level between 35 dB to 45 dB at inside the room is acceptable. The unit shall be in confirmation with IS 1391 Part-II 2023.The system shall be able to deliver 100% of the rated capacity upto 42 degree C and operate up to 52 degree C ambient temperature.	Each	112279.00
6.03	Supply, Installation, Testing, and Commissioning of 440V, 1-Ph/3-Ph, 50 Hz Inverter Type Ceiling suspended Cassette type Air conditioners complete with wireless Remote having the capable of performing of cooling capacity 48000 BTU/hr or 14068 W (Minimum), dehumidification, air circulation, R-32/R-410A Green Refrigerant and variable speed Scroll compressor with 100% copper condenser coil with anti-corrosion coating, ISEER more than 5 and Air flow rating 1475 CFM (Min) including Printed Circuit Board (PCB) with metal enclosers and min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and PCB and maintaining the noise level between 35 dB to 45 dB at inside the room is acceptable. The unit shall be in confirmation with IS 1391 Part-II 2023.The system shall be able to deliver 100% of the rated capacity upto 42 degree C and operate up to 52 degree C ambient temperature.	Each	132000.00