

Annexure I
Technical Specification for Split Air conditioner along with installation at KVK,
Kottayam- Qty- 1 unit

1.	Tonnage	1.5 TR
2.	Type of AC	Split
3.	Rated Cooling Capacity [W]	5100 (minimum) <i>bidder may offer more capacity</i>
4.	Compressor Type	High EER Rotary / Scroll
5.	Refrigerant Gas	R-32
6.	Maximum operating Ambient Temp Range [Deg C]	50
7.	Condenser Coil	Copper
8.	Power Supply [V/Hz/Ph]	230 / 50 / 1 Phase
9.	Extended warranty on compressor	5 years
10.	Vibration isolation pad (for outdoor unit)	To be provided
11.	Stabilizer	Required
12.	Stand for wall mounting	required
13.	Certificate of compliance	Yes

Split type air-conditioning unit shall comprise of hermetically sealed compressor, air cooled fin-tube condenser, low noise, low speed, statically & dynamically balanced forward curve centrifugal fan, dry type steel wire reinforced HDPE air filter, volume control damper, fin-tube evaporator coil made of heavy duty copper tube and integrally finned corrugated copper fin, drive motor, heavy gauge sheet metal cabinet, vibration isolator pad, condensate pan, control and instrumentation system, etc. The split type air-conditioners shall conform to IS 1391(Part 2): 1992 and suitable for refrigerant R-32.

Connecting Pipe [Type]	Cu-Cu
Connecting Pipe Length [Metre]	3
Connecting Cable [Metre]	3
Drain pipe [Metre]	5

Scope of work:

14. Supply, installation, testing and commissioning of the air conditioning (AC) equipment.
 15. One year maintenance as per OEM supplier warranty.
 16. Supply of all consumables and commissioning spares.
 17. All associated electrical works such as cabling for input power including starter, cable tray, along with interconnection between outdoor and indoor units.
 18. Supply and erection of all hangers, stands for both indoor and outdoor units
 19. Outdoor unit of the machine to be mounted on exposed wall at a suitable height for ease in maintenance.
 20. Anti-vibration pads for outdoor units to be used.
 21. All associated civil works for erection of the AC machine.
 22. Slope of drain pipe to be maintained for proper draining
 23. Piping for Outdoor unit shall not be more than a distance of 3 m from indoor unit
 24. Perforation on the wall to be made at a downward angle to ensure no water seepage. It should be plugged using suitable sealant other than cement.
 25. U-bend to be provided on gas piping to ensure no water seepage over piping.
 26. Refrigerant piping shall be insulated for the entire length.
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