

**KHANIKAR CHARIALI BRANCH  
BOQ FOR AIR CONDITIONING INSTALLATION WORK**

| Sl. No. | Description   | Qty. | Unit | Rate (Rs.)(excluding GST) | Amount (Rs.) (excluding GST) |
|---------|---|------|------|---------------------------|------------------------------|
| 1       | Supply Installation testing and Commissioning of 1.5 TR Capacity Hi Wall mounting 5-star(as per 2026 ISEER rating) rated Inverter Split AC with cordless remote and Copper Condensor Coil. AC Make, Voltas/Bluestar /Carrier/Daikin /LG/Godrej( INCLUDING 3 M COPPER PIPES)(refrigerant (R32 or R 410A) (INCLUDING OUTDOOR STAND)   | 1    | Nos. |                           |                              |
| 2       | Supply of next generation latest modular type Variable Refrigerant Flow/Variable Refrigerant Volume air cooled Outdoor Units suitable for cooling, having all hermetically sealed OEM manufactured inverter type Scroll/Twin Rotary Compressor(s), microprocessor-based controller, Top/side discharge type condensing units with R410 A refrigerant, vibration isolators with suitable foundation etc. complete as required. The Compressor and VRF System should be of same make. The unit shall deliver the rated capacity at AHRI conditions and work even at 50 Deg C ambient temperature without tripping. The unit shall be suitable to work on 400 V+/-10% 3 phase, 50 Hz AC power supply. The unit shall be filled with first charge of the refrigerant and ready for use as required. The COP at AHRI conditions shall not be less than 3.2 and IEER not less than 6.5. ( The system should have feature of "uninterrupted communication when main power supply of the any indoor unit cut-off"). |      |      |                           |                              |
| 3       | <b>Outdoor Unit</b>   |      |      |                           |                              |
| a.      | 10 HP   | 1    | No   |                           |                              |
| 4       | <b>Indoor Units</b>   |      |      |                           |                              |
|         | <b>Cassette Units:</b> Supply of ceiling mounted cassette type unit/ Hi-Wall of nominal capacity suitable for heating and cooling mode on R 410A refrigerant with electronic expansion valve, multi speed motor, insulated drain pump & pan, cordless remote with decorative panel of suitable size complete as per specifications etc. as required.  |      |      |                           |                              |
| a.      | Capacity 2.0 TR   | 1    | Nos. |                           |                              |
| b.      | Capacity equal to not less than 3.0 TR  | 2    | Nos. |                           |                              |
| 3       | Supply of Refnet Joints (Y-Branch)  | 3    | Nos. |                           |                              |
| 5       | <b>VRF/VRV System</b>   |      |      |                           |                              |
|         | Installation, testing and commissioning (Including Lifting at roop level) of variable refrigerant volume type airconditioning system complete with indoor and out door units with individual controller and with refrigerant piping, control cabling, MS channel for mounting of outdoor units with rubber pads as required including pressure testing & flushing of pipeline system with nitrogen, etc. as per as per detail given in specifications and having following items:   |      |      |                           |                              |
| 5.1     | <b>Outdoor Unit</b>   |      |      |                           |                              |
| a.      | 10 HP   | 1    | No   |                           |                              |
| 5.2     | Installation, testing and commissioning of Cassette type units of following Capacities.   |      |      |                           |                              |
| a.      | Capacity 2.0 TR   | 1    | Nos. |                           |                              |
| b.      | Capacity equal to not less than 3.0 TR  | 2    | Nos. |                           |                              |
| 5.3     | Installation, Testing & Commissioning of Refnet Joints (Y-Branch)   | 3    | Nos. |                           |                              |
| 6       | <b>Refrigerant Pipe</b>   |      |      |                           |                              |

|    |  |    |      |                    |  |
|----|--|----|------|--------------------|--|
|    | Supply, installation, testing & commissioning of interconnecting refrigerant copper pipe (Hard/ Soft) work with 19mm/ 13mm thick closed cell tubular nitril rubber insulation between each set of indoor & outdoor unit for suction and liquid line as per specifications, all piping inside the room shall be properly supported on with MS/GI Studs/ Clamps/ Hanger as per specification and drawings. |    |      |                    |  |
| a. | 15.88 mm to 19.05 mm O.D.(insulation : 19 mm)  | 30 | Rm   |                    |  |
| b. | 12.7 mm to 6.35mm O.D.(insulation : 13 mm)   | 30 | Rm   |                    |  |
| 7  | <b>Drain Piping</b>  |    |      |                    |  |
|    | Supply & installation of CPVC piping complete with fittings, supports and duly insulated with 9 mm thick closed cell nitril rubber insulation.   |    |      |                    |  |
| a. | 25 mm dia  | 30 | Rm   |                    |  |
| 8  | <b>Control &amp; Transmission Wiring</b>   |    |      |                    |  |
|    | Providing & fixing control cum transmission wiring of 2 core X 1.5 sqmm shielded copper cable in suitable conduits between indoor and out door unit and between corded remote and indoor unit.   |    |      |                    |  |
| a. | 2 core X 1.5 sqmm shielded   | 40 | Rm   |                    |  |
| 9  | <b>Refrigerant Gas</b>   |    |      |                    |  |
|    | Supply of R-410A Refrigerant Gas   | 8  | KG   |                    |  |
| 10 | Supply, Installation, testing & commissioning of 5KVA Voltage Stabilizer voltage range (120V-270V )  | 1  | Nos. |                    |  |
|    |  |    |      | <b>Grand Total</b> |  |