

ENTRANCE LOBBY, ADMINISTRATIVE OFFICE, NAGPUR

NON VRF TYPE AIR-CONDITIONING SYSTEM INCLUDING ALL REQUIRED ANCILLARY WORK

S.No Description Unit Quantity Unit Rate

PART A) ANNEXURE – I : HIGH SIDE : EQUIPMENTS:

Preambles

- 1 All Items shall be quoted in the given format.
- 2 Client reserves the right to take any item as client supplied
- 3 Client reserves the right to add or delete any item from the tender during or after the finalization of the tender.
- 4 Boq items shall be read with the technical specifications
- 5 In case of discrepancy in Boq and technical specifications the stringent shall be followed.
- 6 Control cable from outdoor unit to indoor unit (condenser to evaporator) with necessary insulating tape etc.
- 7 It is advice to visit the site before quoting the boq
- 8 MS Powder coated bracket with fasteners to be fixed on walls / slab with all necessary fixing accessories ALONG WITH ANIT VIBRATION CUSHOR FOOT MOUNTING ONLY.
- 9 The Items in the Boq may or may not be operated as per site conditions.
- 10 Any deviation with respect to boq shall be informed and mentioned while quoting TENDER.
- 11 Insulation shall be done properly with vapour barrier and to provide mechanical protection against abrasion.
- 12 Indoor unit shall be considered with required structural support to hang in ceiling or floor / loft with anchor fasteners, rubber gaskets, nuts, bolts, inlet outlet connections
- 13 Treated fresh air unit shall be considered with MERV 13 pre filter
- 14 Copper piping shall be considered with T and Y joints with insulation.
- 15 All AHUs except VRF ductable unit shall be DX type unless otherwise mentioned.
- 16 Any item missed in the tender for competing the installation, testing, commissioning of the complete HVAC system all also to be included.

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Supply Installation, commissioning & testing of VRF Multi- split systems as specified and complete with the following and suitable for cooling

DX VRF OUTDOOR UNITS :

a) Outdoor units complete with DC Twin rotary compressors / FULLY DIGITAL BASED SCROLL COMPRESSOR with atleast 2 x 100% inverter compressors cooling only etc as specified latest technology fully inverter based compressor. Each Outdoor Unit will require minimum 2 Nos. Fully Inverter Compressor Only.

b) Environmental friendly refrigerant. (HFC) : R410 REFRIGERANT GREEN GAS

c) The required distribution board with required isolators to supply power two both ODU in a MS fabricated & Powder Coated Enclosure of IP 65 Protection with weatherproof canopy.

d) with Required cowl piece on fan discharge.

1 **NON VRF SPLIT AC UNITS**

a Supply of 4.0 Tonne Capacity cassette AC 5 Star rated Inverter Nos 2
cassette AC with cordless remote and Copper Condensor Coil. (with copper piping upto 3metre) (High Wall Split AC) with Insulation of refrigerant lines using nitrile rubber insulation with Teflon taping. (Banking Hall)

TOTAL BASIC COST

PART B) ANNEXURE – II : LOW SIDE ANCILLARY INSTALLATION WORK :

S.No	Description	Unit	Quantity	Unit Rate Rs.
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APPROX. INSTALLATION BREAK UP

1	Supply and laying of additional length of copper refrigerant line	RMT	30	
3	Control Cabling between Indoor & Outdoor Units (3 CORE X 1.5 SQMM SHEILDED CABLE) CABLE MAKE "POLYCAB / FINOLEX." - Laid in Conduits Pipe Only.	RMT	40	
	Supply and erection of 25mm dia PVC drain water piping (4kg/sq.cm.) upto just above ground level for all ACs including Split ACs and its insulation using 4 mm thick nitrile rubber sleeve insulation.	RMT	20	
4	Supply and installation of powder coated ready made metallic stand for mounting ODU of Split Airconditioners.	Nos	2	
5	Installation, Testing & Commissioning Of Non VRF type Split AC Units			
6	4.0 TR Capacity Cassette AC	Nos	2	

TOTAL BASIC INSTALLATION COST