

BIMAL TALATI Architects & Interior Designers

304, President House, Opp. C.N.Vidhyalaya, Ambawadi, Ahmedabad - 380 006.

**Bill of Quantities for : Proposed Supply & Installation of Casatte Type Air Conditioning Unit for
CONFERENCE ROOM at Third Floor, UCO Bhavan, Ashram Road, Ahmedabad
for UCO Bank, Z. O. Ahmedabad**

NO.	DESCRIPTION	QTY	UNITS	RATE	AMOUNT
A	SUPPLY / TESTING / INSTALLATION / COMMISSIONING OF Casstte AIR CONDITIONERS				
1	<p>CEILING SUSPENDED CASATTE TYPE SPLIT UNIT</p> <p>SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF MICROPROCESSOR BASED AIR COOLED CASSTTE TYPE AIR CONDITIONING UNITS AS SPECIFIED; EACH UNIT SHALL COMPRISE OF SEPARATE INDOOR AND OUTDOOR UNIT SPECIFIED AND AS UNDER:</p> <p>INDOOR (FAN COIL) UNIT SHALL BE CEILING SUSPENDED TYPE COMPRISING OF FAN,FOUR WAY AIR DISCHARGE AND 2 ROW DEEP DX COIL WITH FINNED COPPER TUBES, CENTRIFUGAL FAN UNIT WITH MOTOR; UNIT SHALL HAVE PROPER INSULATED AND LEAK PROOF CONDENSATE BASE CONNECTED TO DRAIN PIPING WITH SUITABLE TEMPERATURE CONTROLLER, FAULT INDICATOR, FAN MOTOR SPEED SELECTION , REAL TIME CLOCK , DRIECT DRIVE FAN MOTOR AND FORWARD CURVE FAN, DRAIN PUMP AND WITH MAGNATIC TYPE WATER LEVEL CONTROLLER</p> <p>THE OUTDOOR (CONDENSING UNIT) SHALL BE OF CORROSION RESISTANT GALVANIZED POWDER COATED OR EQUIVALENT SHEET STEEL LOW VIBRATION ASSEMBLY INSTALLED ON SUITABLE VIBRATION ISOLATORS & COMPRISING OF ENERGY EFFICIENT SCROLL / ROTARY COMPRESSOR WITH CONTROLS SUCH AS OVERLOAD PROTRACTOR, SUCTION & LIQUID VALVE & FACTORY CHARGE REFRIGENERT (R22)</p> <p>THE ABOVE SPECIFIED UNITS SHALL BE SUPPLIED AS PER FOLLOWING SCHEDULE INSTALLED AT LOCATIONS AS MENTIONED IN THE LAYOUT</p> <p>THE UNIT WILL COMPARISING OF SUITABLE ELECTRCIAL PANAL</p>				
a	2.0 TR NOMINAL CAPACITY [SINGLE CIRCUIT]	2	NOS.		
a	3.0 TR NOMINAL CAPACITY [SINGLE CIRCUIT] (BLUE STAR/CARRIER/DAIKEN MAKE)	0	NOS.		
TOTAL OF PART " A "				Rs.	

B Low Side For CASSTTE unit		
01	INSTALLATION OF CASSATE TYPE SPLIT UNIT WITH SCROLL / ROTARY / RECIPROCATING COMPRESSOR INCLUDING MACHINE ERECTION, GAS CHARGING, INST. & COMM. WITH COPPER PIPING, ELE'L WIRING & HARD PVC DRAIN LINE UP TO 4.0.MTR.	
i	2.0 TR	2 NOS.
ii	3.0 TR	0 NOS.
02	P & F OF INSULATED HARD CPVC DRAIN LINES FOR VARIOUS UNIT IN TOTAL CLAMPING MANNER ABOVE FALSE CEILING & IN TOTAL CONCEALED MANNER BELOW FALSE CEILING LEVEL. THE DISTANCE BETWEEN TWO CLAMP WILL BE LESS THAN 1 METER. FROM THE CEILING IT SHOULD HANGE WITH CLAMP AND SELF THREADED RODS	25.00 R.MTR.
03	REFRIGERANT COPPER PIPING TO BE INSULATED WITH 13 MM ELASTOMERIC NITRITE RUBBER INSULATION. ALUMINUM FOIL MEMBRANE SHALL BE APPLIED TO PROVIDE RESISTANCE AGAINST BREAKDOWN DUE TO UV RADIATION FOR EXPOSED PORTION OF THE RUBBER INSULATION.	
a	P & F REFRIGERANT COPPER PIPE - FOR 2.0 CASSATTE UNIT (BEYOND 4.0 MTR. / UNIT FOR NEW MACHINES)	25 R.MTR.
b	P & F REFRIGERANT COPPER PIPE - FOR 3.0 TR CASSATTE UNIT (PER UNIT FOR MACHINES)	0 R.MTR.
04	SITC OF ELECTRICAL CABLING / CONTROL WIRING (APPROPRIATE FOR EACH MACHINE) FROM INDOOR TO OUT DOOR & INDOOR TO MCB (PLACED ADJOINING TO THE MACHINE INCASE OF SPLIT AC UNITS) FOR HIGH WALL CASSATTE / SPLIT.	R.MTR.
i	2.0 TR	30 R.MTR.
ii	3.0 TR	0 R.MTR.

05	P & F OF CONDENSING UNIT WITH SAFE LOCKING TYPE CAGING, <u>PLATFORM</u> FIXED TO THE OUT SIDE WALL, MADE OUT OF M.S CHANNELS, ANGLES, FLATS ETC. DULY PAINTED WITH ANTI CORROSIVE PAINT. THE RATE ALSO INCLUDES FOR LADDER AND SCAFFOLDING, INSTALLATION, RETOUCHING THE SURFACES WITH RICH PLAIN CEMENT CONCRETE ETC. COMP. THE ENTIRE ITEM HAS TO BE EXECUTED AS / REQ. OF THE MACHINE & SITE CONDITION.		
a	FOR 2.0TR/3.0 TR CASSTTE OUT DOOR UNIT PLATFORM	150	KGS
6	ALL SORT OF CIVIL WORK REQUIRED TO BE EXECUTED IN ORDER TO MAKE THE A.C. SYSTEM INSTALLED & PUT IN WORKING CONDITION. THE ITEM INCLUDES, MAKING HALLS / GAPS IN WALLS, MAKING ZARIES REQUIRED FOR VARIOUS TYPES OF DRAIN, REFEREGERENT & DRAIN WATER PIPES / LINES IN WALLS, FLOOR ETC. USING CUTTER MACHINE, REFINISHING ON BOTH THE SIDE WITH RICH CEMENT MORTAR TO MATCH THE SURROUNDING SURFACES TO PUT THE ENTIRE WORK IN ORDER.	1	JOB
TOTAL OF PART " B "		Rs.	
TOTAL OF PART " A "			
TOTAL OF PART " B "			
TOTAL OF PART " A " + PART " B "+		Rs.	

	ADD FOR GST @ ____ % ON RS.	A.C. MACHINE		Rs.	
	ADD FOR GST @ ____ % ON RS.	LOW SIDE WORK		Rs.	
	FINAL TOTAL OF AIR CONDITIONING WORK			Rs.	

Rupees

Name of Contractor with Seal & Signature

Date :

Place :