

BILL OF QUANTITIES OF AIR CONDITIONING WORK FOR SBI CHANGODAR BRANCH

SR NO	DESCRIPTION OF ITEMS	QTY	UNIT	RATE	AMOUNT
[A]	MACHINE PART				
1	Supplying & providing 2.0 TR Split A/C with high wall mounted unit. Hitachi/Carrier/ Daikin/ Toshiba/Bluestar/ Mitsubishi Heavy Industry Make (No Hitachi Logicool Series , No Carrier Midea Series) (3 STAR, BEE rating wef 1-1-18). Machine shall have copper condensor Unit [For Banking Hall and Field Room]				
3	Supplying & providing 1.50 TR Split A/C with high wall mounted unit. Hitachi/Carrier/ Daikin/ Toshiba/Bluestar/ Mitsubishi Heavy Industry Make (No Hitachi Logicool Series , No Carrier Midea Series) (3 STAR, BEE rating wef 1-1-18). Machine shall have copper condensor Unit [For Banking Hall and Field Room]	1.00	NOS		
4	Supplying & providing 1.00 TR Split A/C with high wall mounted unit. Hitachi/Carrier/ Daikin/ Toshiba/Bluestar/ Mitsubishi Heavy Industry Make (No Hitachi Logicool Series , No Carrier Midea Series) (3 STAR, BEE rating wef 1-1-18). Machine shall have copper condensor Unit [For Banking Hall and Field Room]	1.00	NOS		
5	Supplying & providing 3.0 TR 4-way cassette type AC with scroll compressor unit. Hitachi/Carrier/ Daikin/ Toshiba/Bluestar/ Mitsubishi Heavy Industry Make (No Hitachi Logicool Series , No Carrier Midea Series) (3 STAR, BEE rating wef 1-1-18). Machine shall have copper condensor Unit [For Banking Hall and Field Room] each unit shall comprise of separate indoor and outdoor unit specified and as under:	4.00	NOS		
	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 , direct drive fan motor and forward curve fan, drain pump and with magnetic type water level controller				
	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 protector, suction & liquid valve & factory charge refrigerator (R-22)				
	TOTAL FOR PART- A				
[B]	LOW SIDE WORK				
1	Installation charges for above 2.00/1.50/1.00 TR Split A/C including 5.0 Rmt copper tubing and electrical wiring connection etc. complete.	5.00	NOS		
2	Installation charges for above 4.00/3.00/2.00 TR 4-way cassette type AC including 5.0 Rmt copper tubing and electrical wiring connection etc. complete.	4.00	NOS		
3	Refrigerant piping - insulated 0.80mm wall thickness copper tube of Totalline/ Mandav make only between indoor to out door unit beyond 5 Rmt dist. Of 1.0 / 1.5 TR / 2.00 TR Hiwall split unit with 2.5 Sqmm 3 Core copper flexible cable of Finolex/ R R Kable /Havells/CEI make (FRLS). The copper piping shall be insulated with 6 mm thick Nitrite rubber insulated of 'O' Class of K Flax/Armaflex/ Superlon Make. Photograph of Copper Piping With cross section photo of Piping need to be attached with bill.	38.50	RMT		

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4	Refrigerant piping - insulated 0.80mm wall thickness copper tube of Totalline/ Mandav make only between indoor to out door unit beyond 5 Rmt dist. Of 1.0 / 1.5 TR / 2.00 TR 4-way cassette type AC unit with 2.5 Sqmm 3 Core copper flexible cable of Finolex/ R R Kable /Havells/CEI make [FRLS). The copper piping shall be insulated with 6 mm thick Nitrite rubber insulated of 'O' Class of K Flax/Armaflex/ Superlon Make. Photograph of Copper Piping With cross section photo of Piping need to be attached with bill.	53.00	RMT		
5	25/32 mm Dia UPVC drain pipe with insulation of Dutron/Supreme/Astral make - schedule 40 pipe, white in colour, joint properly glued with UPVC adhesive for water outlet from indoor unit. (drain pipe concealed in inside wall)	80.00	RMT		
6	Misc Civil Work	1.00	JOB		
7	Providing ,Fabricate and Fixing M.S stand Plateform for keeping outdoor unit of Cassette /Split A.C. with M.S cage for locking of outdoor unit of Cassette/Split A.C. including painting [Ref Drawing enclosed herewith]	9.00	NOS		
8	Removing & Refixing of Existing Old ACs Handling of AC, with Gas Charging & Overall Servicing all including as per site requirements within the old premises to new premises. (1.0/1.5 Tr. HI - Wall Mount Split AC units, Carrier)	3.00	NOS		
TOTAL FOR PART- B					
TOTAL FOR PART-A + PART-B = C					
Note:					
[1]	Rate quoted shall includes all Taxes such as Sales Tax, VAT, Excise, Octroi, , etc. including transportation charges. Excluding GST [GST will be Paid Extra as per Applicable Norms]				
[2]	1 Years of M/C warranty with 6 free services and 5 years warranty for compressor shall be provided by the supplier.				
[3]	The Standard installation charges for the high wall split A.C shall include 5 meter Each of Refrigerant pipe, Electrical Wiring [Copper Pipe and Electric cable total length for all new AC machines shall be measured and standard Length for all the new AC machines shall be deducted and difference shall be paid]				
[4]	All Civil work such as Masonary work slike breacking away and making good of walls,floors slab etc. Required to be executed in the A.C system installation is the part of the project. (Rate quoted shall included in Low side work items)scope of				
[5]	The Entire Job Shall be Excuted in Total Co. Ordination with the Other Agencies Working on this Project more particulary with the False Ceiling and Electrical work.				
[6]	<u>IF THE CONTRACTOR HAS NOT CARRIED OUT AIR CONDITIONING WORK AS PER STANDARD SPECIFICATION THEN CONTRACTOR IS LIABLE TO REMOVE AND REWORK AS PER STANDARD SPECIFICATION AND WHATEVER THE DAMAGE IN CONNECTION WITH CIVIL/ FURNITURE/ ELECTRICAL WORK WILL BE BEAR BY CONTRACTOR. IF CONTRACTOR WILL NOT DONE REWORK THEN WHATEVER BEEN THE COST FOR REWORK WILL BE DEDUCTED FROM CONTRACTOR'S BILL.</u>				