

PRICE BID :SBI,WADHAWAN CITY BRANCH - AIRCONDITIONING INST. WORK -JAN. 2025

No.	Discription	Qty.	Units	Rate	Amount
I	Supply of High Wall & Cassette				
A	Supply of Split Air-Conditioners				
1.0	<p>Supplying & providing of Hi-wall Inverter Split Type AC with high wall mounted indoor and out door unit. having eco friendly refrigerant. Including indoor unit outdoor unit. and cordless remote Machine shall have copper condensor Unit , Make: Daikin/ hitachi / carrier / blue star / voltas Mitsubishi Heavy Industries /Toshiba [Mini 5 Star rating as per BEE Guide Line 2022]</p> <p>Indoor (fan coil) unit shall be Wall Mounted type comprising of Fan, Two way air discharge and 2 Row Deep DX coil with finned copper tubes, T-Flow Fan unit with direct drive Motor; Unit shall have proper insulated & leak proof condensate base connected.</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 and comprising of energy efficient Rotary / Reciprocating compressor <u>with copper condenser coils only</u></p> <p>The units shall be installed on MS angle iron frame welded structure (<u>Seperate item</u>) with duly with anti-corrosive paint (Expoxy) - Vibration Isolated pad with 2 side GI sheet.</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 with capactor connector strip clamps etc.</p> <p>All machines shall be white in color</p>				
1.2	Supply of 1.5 TR H.W. Hi-wall Inverter Split (5* BEE Guide Line 2022)	6.00	Nos.		
1.3	Supply of 2.0 TR H.W. Hi-wall Inverter Split (5* BEE Guide Line 2022)	1.00	Nos.		
	Total of Part "I" / "A"				
A	Supply of Cassette Air-Conditioners				
1.0	<p>Supply of Ceiling Mounted 4-way Cassette type</p> <p>Supply & providing of 4 way Inverter Cassette Type AC ceilling mounted cassette unit with indoor and out door having eco friendly refrigerant. Including indoor unit outdoor unit. decorative grille and cordless remote Machine shall have copper condensor Unit , Make: Daikin/ Mitsubishi Heavy Industries/Toshiba [Mini 5 Star rating as per BEE Guide Line 2022]</p>				
1.1	3.00 Tr. For Main Hall	2.00	Nos.		
	Total of Part "A"				
I	Total of Supply of A.C. units I.E. "I": "A"+"B"				

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II Low Side Work for High Wall / Cassatte AC Units					
1.0	Standard Installation of all type of machines including indoor & outdoor machine erection, first Oil & Gas charging, installation & commissioning Including top and plug, vacucumissing, nitrogen pressure testing (<u>as applicable</u>).				
	The rate shall include 4.0 mtr. of refregerent pipe with nitrile insulation & electrical cabelling for each machine.				
1.1	High wall spilt units of various capacities				
1.1.1	1.5 TR. / 2.TR	7.00	Nos.		
1.2	Cassatte units of various capacities				
1.2.1	3.0 tr.	2.00	Nos.		
2.0	P & F of UPVC drain lines				
	P & F of insulated UPVC drain lines (SCH 40) having density of 6 kg./cm2 (<u>Beyond 4.0 R.Mtr. for each split ac Machine</u>) with 6 mm Nitrile rubber for various units in clamping manner above false ceiling & in concealed manner below false ceiling level. From the structural ceiling it should hanged using self threaded rods or shall be fixed on wall / beam etc. with clamps & the distance between 2 clamps shall be less than 1 meter. It shall not be placed over the false ceiling nor it shall be fixed with				
	alse ceiling members.It shall be laid required gradient for easy disposal of the drain water & testing shall be done before filling the zaries. The drain line shall not be laid in the floor (except toilets & other utility areas where there are no electrical lines in the floor). All drain pipes of split / Cassatte / HAT air-conditioners should be UPVC of 25 mm / 32 mm in size and it should be connected to the nearest rain water pipeline / NT as per the site condition				
2.1	25 mm size as per machine requirement	17.00	R.Mtr.		
2.2	32 mm size as per machine requirement	24.00	R.Mtr.		
3.0	P & L Refrigerant copper piping				
	P & L Refrigerant copper piping with 0.80 mm wall thickness, laid between indoor & outdoor unit as per OEM's specifications (<u>Beyond 4.0 R.Mtr. for each Machine</u>) duly insulated with Class "O" fire retardant 6 mm sleeve type elastomeric nitrite rubber insulation. The item also includes copper electrical flexible cable of appropriate				
	Alu. foil membrane shall be applied to provide resistance against breakdown due to UV radiation for exposed portion of the rubber insulation with Nitrogen testing (totally sealed - in case of proposed machine). It shall be in total clamping manner above false ceiling & in total concealed manner below false ceiling level. From the structural ceiling it should hange or shall be fixed on wall / beam etc. with clamps & the distance between two clamp shall be less than 1 meter.				
	<u>It shall not be placed over the false ceiling nor it shall be fixed with false ceiling members. The diameter / guage of the ref. pipe shall be as per the specifications of the Manufacturing company (OEM) only for each type of machine.</u>				
3.1	for 2.0 tr. & 1.5 tr. High wall split with with control cabelling of 3 Core Copper flexible Electrical cable as recommended by manufacturing company.	46.00	R.Mtr.		
3.3	for3.0 tr. Cassatte unit with control cabelling of 3 Core Copper flexible Electrical cable as recommended by manufacturing company.	33.00	R.Mtr.		

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4.0	P & F of M.S. platform for Split & Cassatte Condensing units.				
	P & F of M.S. platform for Condensing units. It shall be of cage type with required space for servicing purpose & shall have safety railing, fixed to the out side wall. It shall be made out of M.S channels, angles, flats etc. of appropriate size & thicknesses 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 in total coordiantion. The item also includes providing 10 lever Pad locks for each cage. If the cages are prepared in combined manner than appropriate deduction shall be made.				
4.1	for Split AC units	7.00	Nos.		
4.2	for Cassatte AC units	60.00	KG		
6.0	Civil work related all Airconditioning work	1.00	Job		
	All sort of Civil work required to be executed in order to make the Airconditioning system installed & put in working condition. The item includes, making holes / gaps in walls to pass duct & pipes, making zaries required for various types of drain, refregerent & drain water pipes / lines in walls, floor etc. using cutter machine, including core cutting if required, refinishing on all the side with rich cement mortar to match the surrounding original finised surfaces to put the entire work in order. While crossing the wall, a heavy duty PVC pipe sleeve shall be fixed of the total wall thickness & shall be finished from out with rich cement mortar & from inside with white cement. No extra will be paid for any civil work related to Airconditioning work.				
II	Total of Part "II" - I.E. Low Side work			Rs.	
Summary of Project					
I	Supply of Various AC Machines			Rs.	
II	Low Side work for various AC machines			Rs.	
	Total of Part "I" + "II"			Rs.	
Sonal Hitesh Parikh - Architect and Interior Designer					