

PRICE BID FOR AIRCONDITIONING WORK OF SHIFTING OF RBO GHATKOPAR ON SECOND FLOOR, ASHOK SILK
MILLS COMPOUND, L.B.S. MARG, GHATKOPAR (WEST), MUMBAI 400086.

Sr. No.	Particulars	QTY	Unit
A	MACHINES		
	SYSTEM 1		
1	Outdoor Units (VRF V Plus) S.T.C. 12 HP SIDE DISCHARGE-High -Efficiency DC Inverter Compressor, Low Starting Current, Stepless Capacity Control with DC motors, Wide Oprating Temp.range, Low Noise Design, Intelliegnty Temp.Control. Electrical Details: 380-240 Volts,3 Phase,50 Hz AC		
1.1	12 HP	2	NOS
1.1	10 HP	1	NOS
1.3	8 HP	1	NOS
2	INDOOR UNITS S.T.C. Indoor Compact Cassette/ HighWall Units(Suitable for Grid ceiling,DC Inverter motor with speed contol for low noise, Auto Quiet mode also possible through wired remote,In-built drain pump with 1m lift,very flexiable installation even with deep celing beams.Electrical Details: 220-240V,1phase,50Hz AC		
2.1	Indoor Compact Cassette units 0.8 tr (CM1)	1	NOS
2.2	Indoor Compact Cassette units 1.0Tr(Meet/Canteen)	4	NOS
2.3	Indoor Compact Cassette units 1.5 tr (Canteen & Open Office)	1	NOS
2.4	Indoor Compact Cassette units 1.6tr(Open Office)	2	NOS
2.5	Indoor Compact Cassette units 1.8tr(Open Office)	6	NOS
2.6	3.2Tr(Conference)(large cassette)	2	NOS
2.7	2.6Tr(Open Office)(large cassette)	3	NOS
2.8	2.0Tr(RM)(large cassette)	1	NOS
2.9	Hiwall Split Units - -0.8Tr(Doctor) Nos	1	NOS

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Sr. No.	Particulars	QTY	Unit
2.10	Refnet Joints with insulation and installation as per OEM Standard installation	7	NOS
2.11	<p>S.T.C. 1.5 Tr. High Wall Split A.C. for System room Providing and fixing 3*Star High Wall 1.5 TR. Split A.C. with following details</p> <p>1) Eco friendly gas should be used as a refrigerant. The refrigerant gas should not have any action in Ozone layer depletion.</p> <p>2) The eco friendly Inverter type wall mounted split air conditioner should be energy efficient.</p> <p>3) Only Copper material condenser units and cooling unit will be accepted.</p> <p>4) Minimum 4.00 mtrs Copper tubes & Electric Cable along with each unit must be supplied.</p> <p>Contractor should have to complete all finishing works like pocket filling, or any other civil works from inside and out side of building before submission of final bill.</p> <p>Only branded make units will be accepted.</p>	2	NOS
2.12	<p>350 CFM FRESH AIR</p> <p>S.I.T.C circular /Cabinate Inland Fan. Complete as directed by the Architect. (Carrier/Vents/Nikadra/System Air)</p>	1	NOS
2.13	<p>700 CFM FRESH AIR</p> <p>S.I.T.C circular /Cabinate Inland Fan. Complete as directed by the Architect. (Carrier/Vents/Nikadra/System Air)</p>	1	NOS
	Total Of Machines		

B	INSTALLATION		
1	Standard installation testing & commissioning charges as per standard procedure of OEM and the same to be certified by OEM before submitting the Final Bill		
1.1	12 HP	2	NOS
1.2	10 HP	1	NOS
1.3	8 HP	1	NOS
1.4	Indoor Cassette Unit	21	NOS
1.5	High Wall Split A.C. in System Room	2	NOS

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Sr. No.	Particulars	QTY	Unit
2	Refrigerant Copper piping		
2.1	Providing & Fixing Suction and Liquid Line (Ductable Units) as per the Standard requirement of OEM	220	Mtrs
2.2	Providing & Fixing DX Units (Split A.C.) Supply and laying of copper pipe (1/2" & 1/4") between indoor and outdoor units with insulation, interconnecting wire. Complete As directed by the Architect / Consultant / SBIIMS.	20	Mtrs
3	Electrical Communication Cabling Supply and laying following sizes of FRLS PVC insulated flexible copper conductor cable of 650 Volts grade for Control / Communication i/c providing and laying of 20 mm ISI marked medium class pvc conduit on surface / recess, cutting the wall and making good the same so as to match with the original finish, where ever required etc. as required (Between Indoor & Outdoor Units and for remote control units)		
3.1	VRF Control Cable Providing & fixing VRF Control Cable as per the Standard requirement of OEM	330	Mtrs
3.2	Control Cable between indoor to out door unit (Dx) Supply, Laying and Fixing 2.5 Sq.Mm x 4 core of ISI mark from the Indoor to outdoor units for all High wall units. Complete as directed by Architect/SBIIMS.	25	Mtrs
4	PVC Drain piping Providing and fixing following sizes of rigid / flexible UPVC pipe I.S.I. Marked with all required accessories and suitable clamps etc for drain pipe i/c connections to the indoor units etc., as required with 9mm nitrile rubber insulation as per specification. Complete as directed by Architect/SBIIMS.		
4.1	25 MM	48	Mtrs
4.2	32MM	117	Mtrs

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Sr. No.	Particulars	QTY	Unit
5	M.S. Stand for Outdoor Units(Cat Walk) Providing and fixing M.S. Stand as per the Mfg. specification & standard requirement for fixing out door units for ductable unit. The contractor should visit the site and provide & fix stand which can take care of safety measures before installation and also while giving A.M.C. service in future date. Complete as directed by Architect/SBIIMS.		
5.1	M.S. Stand for Outdoor Units (High Wall Split A.C.)	2	NOS
5.2	For VRF Outdoor Units	4	NOS
6	Refrigerant GAS Eco friendly gas should be used as a refrigerant. The refrigerant gas should not have any action in Ozone layer depletion as per OEM Standard.	41	KG
7	Loading & unloading charges for machine The contractor is sole responsible for loading unloading of Machine at any floor level including any expences towrds Mathadi's if any. Complete as drected by the Architect/SBIIMS.	1	Lot
8	Sequential Timer in System Room Providing & fixing Sequential timer of L &T or equivalent as selected by the Architect/Consultant/SBIIMS.	1	NOS
9	Core Cutting Providing and making necessary core cutting after necessary approval from the Architect/Society/ Bank as per site condition. The same is to be packed with cement mortar after laying the pipes/elec. cable & drain with necessary MS plates to avoid entry of rates. complete as directed by Architect/SBIIMS.	6	NOS
10	PVC PIPES for Fresh Air Providing and fixing CPVC pipe (Prince or equivalent) with necessary hangers, brackets, clamps , Accessories etc. complete as directed by the Architect/Consultants/SBIIMS.		
10.1	300mm	34	RMT

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Sr. No.	Particulars	QTY	Unit
10.2	200mm	28	RMT
10.3	100mm	41	RMT
11	Butterfly Damper Providing & fixing butterfly damper as per the OEM standards complete as directed by the Architect/Consultant/SBIIMS.	21	NOS
12	Flexible Duct 4" Providing & fixing flexible Duct of UPTWIGA or equivalent as selected by the Architect/Consultant/SBIIMS.	33	RMT
	Total Of Installation		

SUMMARY			
Sr. No.	Particulars		
1	Machine Supply without GST		
2	Installation Without GSt		
	TOTAL		

GST WILL BE PAID EXTRA AS PER THE PREVAILING RATE