

ESTIMATE - Air-Conditioning work of SBI Aswali Branch, Mumbai

Estimate

SR. NO	ITEM	Qty.	UNIT	Rate	Amount
1	CASSETTE AC UNITS (Carrier (Toshiba)/Bluestar/Hitachi/Diakin/Mitsubishi Elec/ Mitsubishi Heavy Equivalent make)-				
	SUPPLYING OF following CASSETTE / SPLIT (single/three phase) AIR CONDITIONERS- AIR-COOLED TYPE having ODU & Single circuits with Scroll Compressors make "Danfoss/Copeland" including indoor unit with remote control, fan, fan-motor, Copper cooling coil, expansion Device, condensing unit, compressors, cond. coils, cond. Fans, safety cutouts, inbuilt control panel complete with contactors, relays, internal cabling, thermostat to control temperature & machine, having single Indoor unit & single Outdoor unit with display facility.				
	a 3.0 Tr Cassette	0	Nos.		
	b 1.5-TR High Wall Split Unit GE rating of three star and above	8	Nos.		
	c 1.0-TR High Wall Split Unit GE rating of three star and above	5	Nos.		
	TOTAL A - EQUIPMENT				
2	Installation, Testing & Commissioning of AC's including all required anchor fastner accessories & with One or more times pressure testing with nitrogen at 350 psig, leak testing, rectification, vaccummisation, gas charging, testing & commissioning and balancing of each unit to satisfy that there are no leakages & satisfactory operations.				
	a 3.0/2.0 Tr Cassette	0	Nos.		
	b 1.5/1.0 Tr Split AC	13	Nos.		
3	Installation, Testing & Commissioning of AC's including all required accessories & with One or more times pressure testing with nitrogen at 350 psig, leak testing, rectification, vaccummisation, gas charging, testing & commissioning and balancing of each unit to satisfy that there are no leakages & satisfactory operations.				

4		COPPER REFRIGERANT PIPING Thickness - 20 SWG For CASSETTE AC & 22 SWG For Hiwall Split AC complete with fittings Suction / DI ischarge line insulated with 12 mm SUPERLON/ ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.				
	a	3/4" + 3/8" Refrigerant piping - For 3.0/2.0 Tr Cassette AC	0	Rmt		
	b	1/4" + 1/2" Refrigerant piping - For Hiwall 1.0/1.5 Tr Split AC's	40	Rmt		
5		Electrical Cabling work				
		Electrical cable - Suitable for 4.0/3.0/2.0 Tr Cassette, 2.0 Tr, 1.50 Tr & 1.0 Tr H.W Split. Copper cables from Indoor , Outdoor & Electrical control panel complete with control cabling, ISI marked Only . Main Electrical supply upto Control Electrical panel / outdoor machine.Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.(Make: Polycab/RR/Havells/Finolex)				
	a	Electrical cable 4C/4.0 Sq.mm (Main Supply Cable)	0	Rmt		
	b	Electrical cable 3C/2.5 Sq.mm	50	Rmt		
6		Rigid PVC drain pipe with 6 mm Heatlon insulation complete with fittings, U traps etc. & as specified to the nearest toilet / drain point with all required. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.(Make:Finolex/Supreme/Prince/)				
	a	25/30 mm for 2.0, 3.0 Tr & 4.0 tr Cassette AC	0	RMT		
	b	20 mm for Hi wall split AC	50	Rmt		
7		Outdoor bracket type stand - Supply, fabrication, installation of MS brackets and MS grill box type in 12 mm sq. bars 6" c/c both side covering with proper locking arrangement for outdoor units of above air conditioners complete with two coats of enamel painting over protective red oxide coat etc as directed. M/s Godrej make 2 Nos. padlock 5 levers locks are to be supplied provided by the contractor for each cage. The top surface of the MS grill box to be fixed/ covered with Aluminium sheet as weather shade including bolting arrangements for outdoor units.	13	Nos.		

8		Transporation, Necessary civil work : Trenching work / Making & remaking of holes in walls, final finishing the same in all respects pop,cements,etc with labour charge for same including loading and unloading charges and trenching work if required.	1	Job		
9		Supply & Installation of 16A AC1, Timer Switch alongwith 1 no. 2NO 40A 3M contactor alongwith suitable size enclosure box for signage, etc. including power circuit wiring of (2x4 + 1x4 Sq.mm) FRLS flexible wires laid through PVC conduit directly taken from DB including all necessary hardware & accessories, etc. complete as required. (Schneider / Hager / Siemens / Legrand make as approved by client / consultant)	2	Nos		
		Total of B				
		TOTAL - A + B				
		GST on A @ 28%				
		GST on B @ 18%				
		Total GST				
		GRAND TOTAL				



