

BOQ - Air-Conditioning work of SBI PACHPAOLI Branch, Nagpur

SR. NO	ITEM	Qty.	UNIT
1	CASSETTE AC UNITS		
	SUPPLYING OF following CASSETTE / SPLIT (single/three phase) AIR CONDITIONERS- AIR-COOLED TYPE having ODU & Single circuits with Scroll/rotary Compressors 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 4.0 Tr Cassette AC	4	Nos
	b 2.0 Tr Cassette AC	4	Nos.
	c 1.5-TR High Wall Split Unit GE rating of three star and above	6	Nos.
	d 1.0-TR High Wall Split Unit GE rating of three star and above	3	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,trenching as per requirements.		
	a 3.0/2.0 Tr Cassette	8	Nos.
	b 1.5/1.0 Tr Split AC	9	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 / Discharge 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 4.0/2.0 Tr Cassette AC	90	Rmt
	b	1/4" + 1/2" Refrigerant piping - For Hiwall 1.0/1.5 Tr Split AC's	120	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)	100	Rmt
	b	Electrical cable 3C/2.5 Sq.mm	140	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	80	RMT
	b	20 mm for Hi wall split AC	80	Rmt
7		S.I.T.C. Of double epoxit coated MS Stand suitable for the 2.0/4.0 TR Cassette AC outdoor unit complete in all aspect as per the instruction of engineer.	8	Nos.
8		S.I.T.C. Of double epoxit coated MS Stand suitable for the 2.0/1.50 TR split AC outdoor unit complete in all aspect as per the instruction of engineer.	12	Nos.

9	Supply & Installation of Digital, Timer Switch 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 point including all necessary hardware & accessories, etc. complete as required. (Schneider / Hager / Siemens / Legrand or equ. make as approved by client / consultant)	1	Nos
10	Remove & refixing of the Existing 1.5 TR / 2 TR / 1 TR High Wall Split units & outdoor MS Stand, MS Bracket etc. filling the trenching, hole etc. As per the instructions of the Architects/ Engineer	4	Nos
11	Dismantling of all existing airconditioning system, indoor&outdoor,stands, piping,cabling and system related to AC system carefully as instructed by SBI/SBIIMS.	1	Job
12	Gas charging & leak test after installation As per the instructions of the Architects/ Engineer	4	Nos
	Total of B		
	TOTAL - A + B		
	GST on A @ 28%		
	GST on B @ 18%		
	Total GST		
	GRAND TOTAL		



