

BILL OF QUANTITIES FOR AIR CONDITIONING WORKS FOR SBI HARIDWAR ROAD, DEHRADUN					
S. No.	Description	Unit	Qty.	Rate	Amount
	SPLIT/ CASSETTE TYPE AIR CONDITIONERS				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/ O-General/ Voltas/ Bluestar/ Carrier) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (All coils – copper only) , fan and fan motor, machine control panel improved Refrigerant Joints, .Air conditioners shall be fitted with hermetically sealed type suction cooled reciprocating or discharge cooled rotary compressor or scroll compressor. Compressor unit operating on R32/ R-410. All complete as per drawing, approval and instructions of the Architect/ Employer. Item to include powder coated outdoor stands as per the manufacturer specifications. (Rates to be inclusive of copper refrigerent pipe with insulation up to 3M for each split AC unit).				
a	1.0 TR wall mounted split unit (inverter type 5 star rating) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	3.00		0.00
b	1.5 TR wall mounted split unit (inverter type 5 star rating) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	1.00		0.00
c	2.0 T Cassette AC Ceiling suspended Cassette (inverter type minimum 3 star rating) with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer.	Nos.	2.00		0.00
d	3.0 T Cassette AC Ceiling suspended Cassette (inverter type minimum 2 star rating) with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer (3 phase).	Nos.	1.00		0.00
2	EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping with nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for 1.0/1.5/ 2.0 TR Split type AC and 2.0 TR/ 3.0 TR Cassette AC - From Indoor to outdoor Units (make as approved by Architect/ Bank).				
a	For 1.0/ 1.5 TR Split AC as specified by the manufacturer	Mtr.	35.00		0.00
b	For 2.0/ 3.0 TR Cassette as specified by the manufacturer	Mtr.	35.00		0.00
3	DRAIN PIPING				

	Providing and fixing drain piping up to drain as directed by the engineer incharge with all accessories e.g. elbows, unions, sockets, reducers, reducing tees, nipples etc. Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts etc. and discharging the drain into a floor trap/ gully as per site conditions with insulation, both as specified by the manufacturer (make as approved by Architect/ Bank).				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	45.00		0.00
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	15.00		0.00
4	Providing and fixing of lockable caging for outdoor unit grouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 6" c/c welded with 40 X 3 mm MS flat all- round. Item includes all necessary hardware, priming coat, synthetic enamel paint, hanger, clamps other accessories etc. All complete as per approval and instructions of the Architect/ employer.				
a	For 1.0/ 1.5 TR Hi Wall split units	Nos.	4.00		0.00
b	For 2.0/ 3.0 TR ceiling mounted cassette unit	Nos.	3.00		0.00
5	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0/ 1.5 TR Split type AC (make as approved by Architect/ Bank).	Mtr.	40.00		0.00
6	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 2.0T/ 3.0T Cassette type AC (make as approved by Architect/ Bank).	Mtr.	40.00		0.00
7	Supplying, installation and commissioning of voltage stablizer of range 140-280 V for Acs (V-guard/ Livguard/ Kirnotics make as approved by Architect/ Bank).				
	4 KVA for 1.0 / 1.5 TR Wall mount	Nos.	4.00		0.00
	5 KVA for 2.0 TR Cassette AC	Nos.	2.00		0.00
8	Supplying, installation and commissioning of automatic 24 HRS. programmable TIMER of required capacity to run A.C. alternately (MDS/ L&T/ Other reputed make).	Nos.	1.00		0.00
	TOTAL FOR AIR CONDITIONING WORKS				0.00
Note:- The rates quoted includes all other taxes , duties , loading, unloading , transportation, other expenses etc to site. Only GST will be paid Extra					