

BILL OF QUANTITIES FOR AIR-CONDITIONING WORKS FOR SBI MAJRI GRANT (LAL TAPPAD) DEHRADUN, UTTRAKHAND.					
S. No.	Description		Qty.	Rate	Amount
	SPLIT /CASSETTE TYPE AIR CONDITIONERS				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Hitachi/ Daikin/O-General) with cordless remote complete with all necessary fittings duly insulated with 9 mm thick nitrile rubber pipe insulation with (evaporator coil – 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 (Rates to be inclusive of Copper refrigerant pipe with insulation and Drain pipe up to 3 Mtr length). Item to include powder coated outdoor stands as per the manufacturer specifications.				
a	1.0 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	2.00		0.00
b	1.5 TR wall mounted split unit (Minimum 5-Star rating inverter type) including all necessary fittings and mountings as specified by the manufacturer.	Nos.	1.00		0.00
c	4.0 T Cassette AC Ceiling suspended Cassette type split unit with 4 way/ round air flow including all necessary fittings and mountings as specified by the manufacturer (Three phase).	Nos.	3.00		0.00
2	EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping with O CLASS nitrile rubber pipe insulation, both of size as specified by the manufacturer suitable for Hi wall/cassette Acs as below: (From Indoor to outdoor Units).				
a	For 1/1.5 TR as specified by the manufacturer	Mtr.	45.00		0.00
b	For 4T Cassette as specified by the manufacturer	Mtr.	85.00		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.				
a	25 mm dia PVC drain pipe for Split AC	Mtr.	40.00		0.00
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	45.00		0.00

4	Providing and fixing Stabilizer with 3 step relay and input voltage range of 140-280 V and output to be 230 V (Blue bird/ Logic state/ Inline/ V-gourd) (copper winding).				
a	4 KVA (For 1.0/ 1.5 TR Split AC)	Nos.	3.00		0.00
5	Providing and fixing of lockable caging for outdoor unit gouted on wall or on roof with open able shutter made of 10 X 10 mm MS square bars placed vertically @ 5" 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 1/1.5 TR Hi Wall split units	Nos.	3.00		0.00
b	For 4 TR ceiling mounted cassette unit	Nos.	3.00		0.00
6	Supplying and laying of Extra Electrical interconnecting control cable from indoor to outdoor of size as specified by the manufacturer suitable for 1.0 TR/ 1.5 TR Split type AC.	Mtr.	50.00		0.00
7	Supplying and laying of Extra Electrical interconnecting control cables from indoor to outdoor of size as specified by the manufacturer suitable for 4.0 TR Cassette type AC.	Mtr.	90.00		0.00
8	Supplying, installation and commissioning of automatic 24HRS. 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