

BILL OF QUANTITY FOR AIR-CONDITIONING WORK AT STATE BANK OF INDIA, SECTOR-33, SOHNA, GURUGRAM					
S.No.	Description of work	Unit	Qty	Rate (In Rs.)	Amount (In Rs.)
	SPLIT /CASSETTE TYPE AIR CONDITIONERS				
	Note:-It is the responsibility of the vendor to co-ordinate with other vendors / bank officials and state / central departments / local authorities etc as required. Vendor is required to dismantle the items as per instruction of project architect / Bank and dispose of all the rubbish / unserviceable material as advised to the nearest dumping ground. No additional payment will be made in this regard. The vendors are advised to visit the site and understand the requirements first, thereafter quote their rates. .Rates also includes dismantling of all old existing piping /wiring /units/ instruments / setup to make them usable as per direction of Engineer in charge/Project Architect / Bank.				
1	Supplying, erection, testing and commissioning following wall mounted Split/ Root mounted cassette units of (Toshiba/ Mitsubishi/ Hitachi/ Daikin/ O-General/ Voltas) 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). <i>Item to include powder coated outdoor stands as per the manufacturer specifications.</i>				
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	2.0 TR Cassette AC inverter type (Minimum 5-Star rating inverter type) Ceiling suspended Cassette with 4 way / round air flow including including Automatic phase sequencing corrector device all necessary fittings and mountings as specified by the manufacturer. (HALL)	Nos.	1.00		0.00
d	3.0 TR Cassette AC inverter type (Minimum 4-Star rating inverter type) with 4 way / round air flow including including Automatic phase sequencing corrector device all necessary fittings and mountings as specified by the manufacturer. (Banking Hall)	Nos.	2.00		0.00
2	EXTRA REFRIGERANT PIPING				
	Supplying and laying of Extra copper refrigerant piping as directed by the architect /engineer incharge with all accessories, Complete job including cutting chiseling in walls, floor and making good of all chases/ cuts, plastering etc. and 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/4.0 TR Cassette AC - From Indoor to outdoor Units as per site requirements (make as approved by Architect/ Bank)				
a	For 1/1.5 T Hi wall as specified by the manufacturer	Mtr.	70.00		0.00
b	For 2/3 T Cassette as specified by the manufacturer	Mtr.	60.00		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.	80.00		0.00
b	32 mm dia PVC drain pipe for Cassette AC	Mtr.	75.00		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
b	5 KVA (For 2 TR Split)	Nos.	1.00		0.00
5	Providing and fixing of lockable caging with metallic top cover all sides with sufficient extension for protection of sun/heat/rain exposure with proper necessary arrangements as per site requirements and 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. Min. Ground clearance 150 mm, cage leg and provision to bolt to wall from one side. 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.	5.00		0.00
b	For 2/3 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.	75.00		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 2.0T/3.0T Cassette type AC.	Mtr.	65.00		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		0.00
9	Supplying, installation and commissioning of imported Drain Pump for high wall split A.C unit complete as per approval and instructions of the Architect/employer.	Nos.	2		0.00
	TOTAL FOR AIR CONDITIONING WORKS			RS.	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.					