

**STATE BANK OF INDIA
LOCAL HEAD OFFICE, GUWAHATI
PREMISES & ESTATE DEPARTMENT
GUWAHATI, ASSAM.**

**CONFERENCE ROOM LHO GUWAHATI
BOQ of AIR CONDITIONING Works for renovation of CONFERENCE ROOM**

S NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	AIR CONDITIONING WORKS :-				
	SPLIT /CASSETTE TYPE AIR CONDITIONERS				
1	Supplying, Installation, Testing & Commissioning of Outdoor VRV / VRF units in modular design complete with 100% inverter type scroll compressor suitable for cooling + heating complete with air cooled condenser with low noise fan having inter-connected control wiring, refrigerant piping with standard accessories, duly charged with R32/R410A refrigerant with suitable size MS channel stand, duly painted complete as required. VRV/VRF System shall be suitable for workin on 49°C ambient temperature with refrigerant R-410a with MS channel outdoor stand of suitable size to carry the weight of outdoor unit inclusive of full charge of Refrigerant Gas & oil etc. complete as required. The Cop of System mentioned below shall be not less than 4.7 at 50% load, at 35° CDB ambient temp, at 7°CDB, 19°CWB inside temp. (Toshiba / Hitachi / O-General / Carrier) Item to include powder coated outdoor stands as per the manufacturer specifications. (Combination of outdoor as per OEM)				
a	ODU 12 Hp (Cooling + Heating) (Conference Room)	Nos.	1		
2	Supply, installation, testing and commissioning of ceiling mounted cassette type unit/ Hi - Wall of nominal capacity suitable for heating and cooling mode on R 410A refrigerant with electronic expansion valve, multi speed motor, insulated drain pump & pan, cordless remote with decorative panel of suitable size complete as per specifications etc. as required.				
a	4 way Cassette Type - 3.2 TR.	Each	3		
3	SITC of Refnet Y-Joints suitable for above indoor units complete with all accessories etc. as required.	Each	3		
	EXTRA REFRIGERANT PIPING				
4	Supply, installation, testing & commissioning the interconnecting piping of following sizes (outer diameter) of refrigerant copper pipe insulated with 19/13 mm thick closed cell electrometric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specification laid on existing MS cable tray and piping inside the room shall be properly fixed / supported with existing MS Cable tray / suitable size of M.S. hanger & clamp as per specification etc. as required.				
a	6.4 mm dia with 13mm thick nitrile rubber insulation	R.mtr	3		
b	9.5 mm dia with 13mm thick nitrite rubber insulation	R.mtr	10		

c	12.7 mm dia with 13mm thick nitrile rubber insulation	R.mtr	10		
d	15.9 mm dia with 19mm thick nitrile rubber insulation	R.mtr	10		
e	19.1 mm dia with 19mm thick nitrile rubber insulation	R.mtr	5		
f	22.2 mm dia with 19mm thick nitrile rubber insulation	R.mtr	5		
g	28.6 mm dia with 19mm thick nitrile rubber insulation	R.mtr	20		
h	34.9 mm dia with 19mm thick nitrile rubber insulation	R.mtr	3		
i	41.3 mm dia with 19mm thick nitrile rubber insulation	R.mtr	3		
5	DRAIN PIPING				
	Providing & fixing rigid PVC drain piping of following sizes complete with fittings, supports, 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 duly insulated with 6mm thickness of closed cell nitrile rubber complete as required and as per specifications.				
a	32mm dia PVC drain pipe for Cassette AC	R.mtr	15		
b	40mm dia PVC drain pipe for Cassette AC	R.mtr	20		
6	Providing control cum transmission wiring with 2 core x 1.5 sqmm PVC insulated PVC sheathed copper conductor cable in existing conduit / surface for indoor & outdoor units <u>complete etc. as required</u>	R.mtr	80		
7	Supplying and laying of Extra Electrical interconnecting Power cable from indoor to power Point above the ceiling.	R.mtr	50		
TOTAL (excluding GST)					