

STATE BANK OF INDIA
SCHEDULE OF WORKS: ELECTRICAL WORKS
AIR CONDITIONING WORKS AT PAKRIBARWAN BRANCH & ATM

	Air conditioning Works				
	Design, Supply, installation, testing & commissioning of air-conditioning units (including MS frames/stands for standard installation of indoor and outdoor units) as per the details of scope of work, specifications and components given else where in the tender. (please read before quoting) Note: The contractor will attend to all defects noticed during defect liability period. Within 24 hours from the time of complain. If the contractor fails to attend to the defects within 24 hours time these defects will be rectified by the Bank and the expenditure incurred on this account will be recovered from security deposit, or any other money due on to time. The Entire Job Shall be Executed in Total Co. Ordination with the Other Agencies Working on this Project more particularly with the False Ceiling. The quantities as mentioned of AC are provisional may increase/decrease/withdrawn as per requirement of site or instruction of Bank.				
	High Side Items				
1	Supply of following Ceiling Mounted 4-way Cassette type AC with scroll / Rotary / Twin rotary / Reciprocating compressor, having R 32/R-410A eco friendly gas. Including indoor unit & outdoor unit. decorative grille and cordless remote Machine shall have copper condenser Unit. (The positions must be designed in an apt away as per site conditions) (Make: LG/ Daikin / Carrier / Hitachi / Mitsubishi / Bluestar)				
1.1	Supply of single phase 2.0 TR or nearest higher rating Capacity Copper (inverter technology) Cassette type split air conditioners with Copper Condensor Coil and eco friendly refrigerants (R32 or R 410A). (Make: LG/ Daikin / Carrier / Hitachi / Mitsubishi / Bluestar) FOR HALL AREA Note: 1 Year of M/C warranty with 6 free services and 1 year warranty for compressor shall be provided by the vendor. AN Undertaking must be submitted by the vendor for it.	No.	8		
2	Supply of Hi-Wall mounted Split AC unit complete with Indoor / Outdoor units along with cordless remote controller. (R-32/ R410 A)				
2.1	Supply of <u>1.5 TR</u> Hi wall split Air Conditioner Unit (5 STAR inverter type copper), standard kit, ref pipe, cable etc & fixing accessories. (Make: LG/ Daikin / Carrier / Hitachi / Mitsubishi / Bluestar) For BM chamber Note: 1 Year of M/C warranty with 6 free services and 5 year warranty for compressor shall be provided by the vendor. AN Undertaking must be submitted by the vendor for it.	No.	1		
2.2	Supply of <u>1.0 TR</u> Hi wall split Air Conditioner Unit (5 STAR inverter type copper), standard kit, ref pipe, cable etc & fixing accessories. (Make: LG/ Daikin / Carrier / Hitachi / Mitsubishi / Bluestar) 2 Nos for ATM and 01 No for Canteen Note: 1 Year of M/C warranty with 6 free services and 5 year warranty for compressor shall be provided by the vendor. AN Undertaking must be submitted by the vendor for it.	No.	3		
	Low Side Works				
3	Refrigerant copper piping both in and out, laid between indoor & outdoor unit as per OEM's specifications duly insulated with Class "O" fire retardant 6 mm sleeve type elastomeric nitrile rubber insulation. It shall be in total clamping manner above false ceiling & in total concealed manner below false ceiling level. From the structural ceiling it should hang or shall be fixed on wall / beam etc. with clamps & the distance between two clamp shall be less than 1 meter. It shall not be placed over the false ceiling nor it shall be fixed with false ceiling members. The diameter / gauge of the ref. pipe shall be as per the specifications of the Manufacturing company (OEM) only for each type of machine. MAKE: COPPER PIPE- Mandev / Rajco / Totaline Thermal Insulation Material-a) Nitrile Rubber -Armaflex / K Flex / Equivalent as approved by E-I-C. B Thermocole – Breadshell / Equivalent				
3.1	For Cassette AC (2.0TR)	Rmt	90		
3.2	Extra refrigerant pipe for Split AC	Rmt	7		
4	Drain Piping: Insulated Condensate Water Drain piping constructed out of PVC / HDPE hard pipes, fitting, accessories, bends, elbows, tees, flanges, tappings, wall sleeves, hangers, supports, anchors Fastners. (Make:- U PVC Pipe Supreme / Prince/astral/Equivalent as approved by E-I-C)				
4.1	Drain pipe	Rmt	120		

5	SITC of Electrical Power Cabling between indoor unit & outdoor unit as per OEM's design & specifications in 25mm dia., conduits with accessories The power shall be made available at 1 place & single core wire shall not be used. It shall be in clamping manner above false ceiling & in concealed manner below false ceiling level. From structural ceiling it should hange or shall be fixed on wall/beam etc. with clamps at distance not more than 1 meter. It shall not be placed over the false ceiling nor shall be fixed with false ceiling members.				
5.1	Control cable between indoor & outdoor unit for cassette AC	Rmt	120		
5.2	Extra Control Cable for Split AC	Rmt	10		
6	Installation charges of the 2.0 TR/1.5TR Copper Cassette Type/ Split AC including outdoor frame / stands to withstand the full load of outdoor units and making good all the damage.	No.	11		
7	All sort of Civil work required to be executed in order to make the Air-conditioning system installed & put in working condition. The item includes, making holes / gaps in walls to pass duct & pipes, making zaries required for various types of drain, refrigerant & drain water pipes / lines in walls, floor etc. using cutter machine, including core cutting , wall cutting etc as required. SCAFFHOLDING ARRANGEMENT HAS ALSO TO BE DONE BY AC VENDOR AS REQUIRED.	Job	1		
		TOTAL (Rs.)			
	Grand Total				
	(GST will be extra as applicable)				
NOTE:	The rate quoted shall be firm and shall include all costs, allowances, Charges, levies, Royalties, Cess, transportation etc. but excluding GST as applicable which will be reimbursed by the Bank as per Government norms prevailing from time to time. Contractor's are advised to visit the site before quoting. The quantities are tentative may increase or decrease as per site requirement.				