

INDIAN BANK


ESTIMATE FOR AIR CONDITION WORKS OF JUHU BRANCH.

SECTION I - TOTAL BRANCH AREA OF AIR CONDITION = 1458SQ.FT. +ATM60 SQ.FT.

Sr.No.	Description	Qty	Per	Rate	Amount
I	EQUIPMENT COST:				
A)	Providing & Fixing High Wall- split & Cassete Type Ceiling air conditioners including piping. Installation, timer etc. Rate shall be exclusive of GST. GST will be paid seperately. High wall split air-conditioner units with cordless remote control of (Make: Mitsibushi, Hitachi & Daikin Min.Three Star Rating only.) Machines One timer unit to be provided for alternative operation of the two air conditioner units in ups/server Room Copper and Drain pipe of adequate length should be provided. Lockable M.S. Grill Cage for condensing units with Stand The basic rate of the A/C with all necessary components should be coated. Unit rate per Cassete & Split-units given below.				
1	Main Machine Cost for 3.0 ton Cassete Type Ceiling Mounted Air Conditioner Units on site	3	No.s		
2	Main Machine Cost for 2.0 ton Cassete Type Ceiling Mounted Air Conditioner Units on site	2	No.s		
3	Main Machine Cost for 1.0ton HVAC Split Wall Mounted Air Conditioner Units on site.	3	No.s		
I	Total Cost of Equipments: (High Wall Split & Cassete Type ceiling Mounted AC. Machines.) Without GST:				
II	LOW SIDE WORK:				
B)	Installation Cost:				
1	Charges for Installation of High Wall Split Air-condition unit. with necessary M.S. Wall brackets /Clamps etc. complete	3	No.s		
2	Charges for Installation of Cassete Type Air-condition unit. With necessary M.S. Ceiling brackets/ Clamps etc. complete	5	No.s		
	Total Cost Of Installation:				
C)	Refrigerent Piping Cost:				

1	SITC. Of extra 19/22 Guage Hard/ Soft copper Refrigerant Piping of Mandvi/ Totaline make between indoor to Out door units with Seperate 9mm. thk. Nitrile Insulation for HVAC Split & 13mm. thk. Nitrile rubber insulation of 'O'Class of Kflax/Armaflex/Superlon make etc. complete fittings, elbow, bends, supporting arrangement on walls, Cable/ Trays, Trenches (Make-nissan, Merchant MET tube, Totaline tube, pre pressure tested tube (Standard length of 4 m supplied with unit not to be considered in the measurements) For Split & Cassette AC Units.				
a)	Charges for High Wall Split AC Piping:	65	Rmt.		
b)	Charges for Cassette Ac Piping:	100	Rmt.		
	Total Cost of Refrigerant Piping:				
D)	M.S. Frame Work Cost:				
	Supply, Fabrication and Installation of MS base frame for Indoor & Outdoor units complete with epoxy painting, vibration isolation pads, supports, hangers, railing, brackets etc. Necessary Lockable grill cage with M.S. angle frame of 25mm. x 5mm. size with 12mm. dia. M.S. bars @4"c./c. in both directions having Aldrop for locking the cage. It can be individual or combined for all units as per site condition. Note: Apply 2 coats of epoxy primer and 2 coats of black Enamel paint Rate Shall be all inclusive of necessary M.S. frame Catwalk if required for servicing.				
1	Prov. & Fix. M.S Brackets With Lockable Grill Cage for condensing Units of High wall Split AC. with One coat of Red Oxide paint and Two Coats of Black Oil Paint etc. complete.	3	No.s		
2	Prov. & Fix. M.S Brackets With Lockable Grill Cage for condensing Units of Cassette AC. with One coat of Red Oxide paint and Two Coats of Black Oil Paint etc. complete.	5	No.s		
	Total Cost of M.S. frame work:				
E)	Timer Switch:				

	SITC of Cyclic Timer for Two No.s of Split AC's (24 hrs) with one no. of real time Electronic Timer Switch DW219BLK of MK equivalent in Legrand/ Schneider/Hager & L&t makes and two no.s of contactors High Power relay system and bypass arrangement for AC units	1	No.s		
	Total Of Timer Switch:				
F)	Drain Piping Supply, Installation & testing & Commissioning of Drain Piping HDPVC piping 25mm/32mm/40mm dia UPVC with 6mm thick nitrile insulation of Ductron/Supreme/Astral make-schedule 40 pipe white in colour,joint properly glued with UPVC adhesive/ gs support etc. complete:				
1	SITC. Of 25mm.Dia.Drain HDPVC. Drain Pipe with 6mm. Thk. Nitrile Insulation including with proper Clamping etc. complete. For HVAC & Cassette AC Units	65	Rmt.		
2	SITC. Of 32mm.Dia.Drain HDPVC. Drain Pipe with 6mm. Thk. Nitrile Insulation including with proper Clamping etc. complete. For HVAC & Cassette AC Units	69	Rmt.		
	Total Of Drain Piping:				
G)	Electrical Cabling (Only single distance will be considered):				
1	Additional Inter-connecting 4Core-2.5Sq.mm. Cu flexible cable of Finolex/Polycab/RR Kable/Havells/ Legrand make Only. For Split AC Units.	65	Rmt.		
2	Additional Inter-connecting 4Core-2.5Sq.mm. Cu flexible cable of Finolex/Polycab/RR Kable/Havells/ Legrand make Only. make Only. For Cassette AC Units.	108	Rmt.		
	Total Of Electrical Cabling:				
H)	Trenching Work:				

8	Rate for trenching of wall/ floor with covering the same with cement mortar 1:4 mix. In line level. Rate should be inclusive of making necessary holes as required for taking out copper piping, electric cables upto the Out door AC Unit & Carefully Enclosing the same with cement Mortar and bricks as required in consultation with Architect. Kindly note that breaking /trenching should be done carefully without damaging any of the RCC structural members.	1	L/S.		
	Total Of Trenching Work:				
II	TOTAL COST OF LOW SIDE WORK: (Without GST)				
SUMMARY:					
I	EQUIPMENT COST: (Without GST)				-
II	LOW SIDE COST: (Without GST)				-
	GRAND TOTAL (I) + (II)Without GST:				-
FOR KALA AREKHAN					
					
SHAILESH S KHOPKAR					
ARCHITECT					
Note:- The rates taken in the estimate are excluding GST on estimated amount					