

REVISED PRICE BID FORMAT FOR FIRST FLOOR LHO AIRCONDITIONING WORKS

S.No.	Description	Unit	Qty.	Rate	Amount
A)	AIR-CONDITIONING SYSTEM				
1.0	VRV/VRF SYSTEM				
	Supply of Variable Refrigerant Volume/flow type AC system with multi Hi -Wall indoor units and single outdoor unit with individual controller. The quoted price should include all duty, port clearances charges, insurance etc. as per specifications.				
1.1	TOP Discharge VRV/VRF OUTDOOR Units				
	Supply of VRV/VRF outdoor unit equipped with highly efficient inverter type scroll compressors , special acryl pre coated heat exchanger, low noise condenser fan, auto check function for connection error, MS stand, having interconnected control wiring between IDU & ODU, control panel and refrigerant piping housed in compact housing duly powder coated complete as required for trouble free operation. Refrigerant should be R410A & as per specifications.				
a)	44 HP	nos	1		
2.0	INDOOR UNITS				
	Supply of Indoor units equipped with pre-filter, fan section with low noise fan, multi speed motor, coil section with DX coil, outer cabinet, drain pan and drain pump, corded remote, cabling, vibration isolation, earthing, necessary supports etc. as required along with keytage operation relay. <i>For AHU, a minimum 10mm ESP is required. If 5 TR cassette is not available, Item No.2.b can be substitute by 3TR+2TR combination and in that case the cost of combination should be included in this item as it is considered as a single item.</i> <i>For 18Tr AHU with AHU kit the vendor shall quote for the brands and specifications mentioned as per Annexure-II</i>				
a)	18 TR ductable with ahu kit / AHU kit or 6Tr ductable x3nos	Nos	1		
b)	5 TR CASSETTE	Nos	1		
c)	3 TR CASSETTE	Nos	4		
d)	2 TR CASSETTE	Nos	1		

e)	0.8 TR COMPACT CASSETTE	Nos	2		
f)	Cordless Remote unit.	Nos	8		
g)	Corded Remote unit.	Nos	1		
	TOTAL MACHINE PRICE INCLUDING GST (28%)				
B)	ANCILLARY WORKS				
1.0	Transportation, Machine lifting, Erection, Pressure testing & commissioning of the Air conditioning system with R 410-A refrigerant				
a)	44 HP	Nos.	1		
2.0	Installation, testing, and commissioning of indoor units of following capacities of Variable Refrigerant Volume air conditioner with all accessories . <i>If 5 TR cassette is not available, Item No.2.b can be substitute by 3TR+2TR combination and in that case the cost of refnet, Installation, testing, and commissioning of indoor units with refnet joints should be included in this item as it is considered as a single item.</i>				
a)	18 TR ductable with ahu kit / AHU kit or 6Tr ductable x3nos	Nos	1		
b)	5 TR CASSETTE	Nos	1		
d)	3 TR CASSETTE	Nos	4		
e)	2 TR CASSETTE	Nos	1		
g)	0.8 TR COMPACT CASSETTE	Nos	2		
3.0	REFRIGERANT PIPING FOR VRV/VRF SYSTEM				
3.1	SITC of Interconnecting copper refrigerant pipe with (19mm/13mm thick) Nitrile rubber with Glass Cloth faced protection at expose side insulation between each set of indoor & outdoor units as per specifications, all piping inside the room shall be properly supported with MS hanger & clamps and all external piping with UV Coating as per specification and drawing etc. complete as required.				
a)	41.3 mm dia.	Mtr.	11.00		
B)	34.9 mm dia.	Mtr.	18		
c)	28.6 mm dia.	Mtr.	19		

d)	22.2 mm dia.	Mtr.	13		
e)	19.1 mm dia.	Mtr.	30		
f)	15.9 mm dia.	Mtr.	23		
g)	12.7 mm dia	Mtr.	10		
h)	9.5 mm dia	Mtr.	49		
4.0	SITC of fittings, Y-joints set , including distributor and headers for all Indoor units as per layout drawings include ODU pipe connection kit etc complete as required.				
a)	Indoor joints	Nos	8		
b)	Outdoor joints	LOT	1		
5.0	Supply & Installation of GSS Ducting for Indoor units				
a)	22 G	sqm	20		
B)	24 G	sqm	58		
c)	canvas connection	Nos.	1		
6.0	Duct Insulation				
a)	Supply & installation ,testing and commissioning Acoustic insulation of ducting out of 13 mm thick open cell nitrile rubber	sqm	15		
b)	Supply & installation ,testing and commissioning thermal insulation of ducting out of 9 mm thick xlpe foam	sqm	63		
7.0	Collar damper				
	Supply & installation, testing and commissioning of collar damper asper required size given in the drawing.	Nos	16		
8.0	Diffuser and Grills				
a)	Supply & installation ,testing and commissioning of Aluminium coated grills	sqm	4		
9.0	CABLE WORKS				
a)	Supply, laying of control cum transmission wiring of 2 x .75 sqmm copper wire Shielded cable in suitable PVC conduits between indoor and outdoor, Central controller unit etc complete as required.	Mtr.	210		

b)	Supply, laying of 4 core, 16 Sqmm copper cable in suitable copper armoured cable. b/w ODU and MCB.	Mtr.	12		
10.0	DRAIN PIPING				
	Supply, laying of PVC drain piping, complete with fittings, supports as per specifications and insulated with 6 mm Nitrile rubber insulation as per specifications and drawings etc complete as required.				
	25 mm dia	Mtr.	45		
11.0	civil work for ODU pedestal and also for the installation of duct, indoor and out door units				
	supply and construction of 12 inch height masonry pedestal for odu, Civil works for the installation of duct, indoor and out door units	lot	1		
12.0	Central controller unit				
	The Indoor and outdoor units should be BMS Compatible and it should be possible to monitor required number of indoor units.	qty	1		
13	Dismantling of the existing floor mounted package units (16.5 Tr-1 no) and split AC (2 nos) both indoor and outdoor units with all accessories and shifting it Godown area at Ground floor area as pointed out by Bank authorities	LS			
	Total Value for Low side works (Without GST)				
	GST @ 18%				
	Total Value for Low side works (With GST)				
C)	<u>AMC CHARGES</u>				
	1 ST YEAR	HP	44		
	2 ND YEAR	HP	44		
	3 RD YEAR	HP	44		
	4 TH YEAR	HP	44		
	AMC TOTAL WITH TAX @18 %				
	Total (Without AMC) A+B				

	Grand Total A+B+C				
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