	PROPOSED NEW BRANC				
S.N	ESTIMATE FOR AIR CO				
0.	DESCRIPTION	UNIT	QTY	RATE (INR)	AMOUNT(INR)
	PART - A : HIGH SIDE BOQ				
	Supply of the following Ductable Split Air conditioners fitted with R410 a gas, scroll compressors, aluminum finned air cooled condensers, condenser fans,thermostatic expansion valve, Evaporator with cooling coils, canvass connection and				
	blower section and microprocessor control and corded remote, related controls as per manufacturers standards				
	8.5 TR with Multiple Compressors	Nos	2		
	Supply of INVERTER TYPE 3 star rated Hi wall split Airconditioners fitted with rotary/reciproating compressors, air cooled condenser, direct expnsion valve and related controls as per manufacturers standards with cordless remote				
	1.5 TR Capacity	Nos.	4		
	TOTAL for Equipment – PART A				
_	PART – B: LOW SIDE WORKS				
	Installation, Lifting, positioning as per site conditions, Testing and Commissioning of Ductable units along with gas charging for 8.5 TR Ductable Units	Nos	2		
	Installation, Lifting, positioning as per site conditions,Testing and Commissioning of Hi wall Split units of 2.0 TR and 1.5 TR capacity	Nos	4		
	Supply and fixing of factory fabricated G.S.S. Rectangular ducting complete with all accessories viz. anchor fastener, black painted M. S. angle / rod supporting, Expanded Polyethylene gasket galvanised hardware, etc complete as per specs.				
	a) 22 Gauge	Sqmt	25		
	b) 24 Gauge	Sqmt	75		
	Supply & installation of suction & discharge Hard copper Refrigerant piping with proper supports/hangers from ceiling/wall as required at site & approved by consultant & duly insulated with 9 mm thick nitrile as per standard specificationsas				
	Liquid line line for 11.0 TR suction line	Rmt	45		
	Suction line for 11.0 TR suction line Supply & installation of suction & discharge Soft copper Refrigerant piping with proper supports/hangers from ceiling/wall as required at site & approved by consultant & duly insulated with 6 mm thick nitrile as per standard specificationsas	Rmt	45		
	Liquid line for 2.0 TR & 1.5 TR HWM units	Rmt	40		
_	Suction line for 2.0 TR & 1.5 TR HWM units	Rmt	40		
	Extruded aluminum powder coated continuous grills of suitable color suits to the gypsum ceiling as suggesed by Engineer in charge	Sqm	10.5		
	Supply and Fixing of opencel acoustic insulation of duct with 10 mm thk. Nitrile Rubber for Accoustic as per standard practice	Sqmt	25		
	Supply and Fixing of closedcel thermal insulation of duct with 13 mm thk. Nitrile Rubber for Thermal as per standard practice	Sqmt	60		
9	Supply and Fixing of 2 mm thick Hard PVC drain piping with suitable supports as required & insulated with 6mm thick Nitrile rubber insulation				
	25mm	Rmt	55		
			-	-	

	32mm	Rmt	65	
10	Supply and laying of electrical cabling of Copper 4 core x 6			
	sqmm interconnecting between indoor and outdoor units as	Rmt	75	
	per manufacturer standards for Ductable units			
	Supply and laying of electrical cabling of Copper 3 core x 2.5			
	sqmm interconnecting between indoor and outdoor units as	Rmt	45	
	per manufacturer standards for Hi wall units			
	Supply and fixing of GI volume control dampers madeout 18 G	Sgmt	1.5	
	GI Sheets as per plans	•		
	Supply and fixing of GI fire dampers with fusable link madeout	Sqmt	3	
	18 G GI Sheets as per plans			
	Supply and erection of condensor supports with MS angles and			
	making openings in wall, concealing drain pipesand other civil works related to airconditioning works like chipping, drilling,	Nos	2	
	plastering of the surface to a neat finish where ever required		2	
	etc for Ductable units			
15	Supply and erection of condensor supports with MS angles and			
	making openings in wall, concealing drain pipesand other civil			
	works related to airconditioning works like chipping, drilling,	Nos	4	
	plastering of the surface to a neat finish where ever required			
	.etc for Hi wall split units			
	Proper Air balancing for uniform/ proper air distribution in the			
	conditioned area for maintaing the design inside temparature	Job	1	
-	of all the ductable units			
	Supply , testing and fixing of 6/8 Hours timer equal operation	Nos	1	
	schedular for server room split units			
	Supply, installation, testing and commissioning of 4 kVA	Nos	4	
-	stabilizers			
	Preparation of ducting layout in auto cad for necessary			
	approval. Upon completion of works, final as built drawing to	Job	1	
	prepared and submit to the branch and engineer in charge.			
	TOTAL AMOUNT LOWSIDE PART B			
	TOTAL AMOUNT (HIGHSIDE A + LOWSIDE B)			

DUCTABLE UNITS

Capacity

Basic Price

Less Discount @ 6%

Total

Add Packaging, Insurance, forwarding and freight etc. @ 3.0%

Total

Overhead and Profits @ 5%

Grand Total

OR SAY Rs.

Capacity

Basic Price

Less Discount @ 6%

Total

Add Packaging, Insurance, forwarding and freight etc. @ 3.0%

Total

Overhead and Profits @ 5%

Grand Total

OR SAY Rs.

Hi Wall Split Units

Capacity

Basic Price

Less Discount @ 6%

Total

Add Packaging, Insurance, forwarding and freight etc. @ 3.0%

Total

Overhead and Profits @ 5%

Grand Total

OR SAY Rs.

COOPER PIPE ESTIMATE HARD DRAWN

Pipe Sizes in mm	Price / Rmt	Insulation
22.2	330	88
12.7	180	35
9.5	135	30

6.4	85	24			
COOPER PIPE ESTIMATE SOFT DRAWN					
Pipe Sizes in mm	Price / Rmt	Insulation			
12.7	150	35			
6.4	65	24			
DUCT	ING ESTIMATE				
Gauge	Price per Sqmt	Supports			
22	580	52			
24	520	23			
GRIL	LS ESTIMATE				
Desription	Price per Rmt	10 % Discount			
Diffuser with Damper					
•	Price per Pice				
600 mm x 600 mm	1545	1390.5			
Diffuser without damper					
600 mm x 600 mm	1047	942.3			
Nitrile Rubber Insulation					
Desription	Price per Sqmt	10 % Discount			
10 mm Accoustic	650	585			
13 mm Thermal	380	342			
50 mm Underduck	250	225			
PVC DRAIN ESTIMATE					

Page 4

Price per Rmt

10 % Discount

PVC Pipe in mm

25	80	72
32	90	81

CONTROL CABLE ESTIMATE

Desription	Price per Rmt	10 % Discount
4 Core x 6 Sqmm	115	103.5
3 Core x 2.5 Sqmm	75	67.5

HITACHI	BLUE STAR
11	11
164000	166200
9840	9972
154160	156228
4624.8	4686.84
158784.8	160914.84
7939.24	8045.742
166724.04	168960.582
167000	169000
5.5	5.5
96000	86200
5760	5172
90240	81028
2707.2	2430.84
92947.2	83458.84
4647.36	4172.942
97594.56	87631.782
98000	88000
1.5	1.5
34500	35000
2070	2100
32430	32900
972.9	987
33402.9	33887
1670.145	1694.35
35073.045	35581.35
35000	35600
00000	00000

Labour	Total	Overhead and Profits @ 15%	Grand Total	Round off
111	529	79.35	608.35	610
63.5	278.5	41.775	320.275	320
47.5	212.5	31.875	244.375	245

32	141	21.15	162.15	165
Labour	Total	Overhead and Profits @ 15%	Grand Total	Round off
63.5	248.5	37.275	285.775	290
32	121	18.15	139.15	140
Labour	Total	Overhead and Profits @ 15%	Grand Total	Round off
180	812	121.8	933.8	930
140	683	102.45	785.45	790
Labour	Total	Overhead and Profits @ 15%	Grand Total	Round off
Labour	Total	Overhead and Profits @ 15%	Grand Total	Round off
50	1440.5	216.075	1656.575	1660
50	992.3	148.845	1141.145	1140
Labour	Total	Overhead and Profits @ 15%	Grand Total	Round off
85	670	100.5	770.5	770
85	427	64.05	491.05	495
110	335	50.25	385.25	390
Labour+ insulation	Total	Overhead and Profits @ 15%	Grand Total	Round off

40 55	112 136	16.8 20.4	128.8 156.4	130 160
Labour+ PVC Pipe	Total	Overhead and Profits @ 15%	Grand Total	Round off
50	153.5	23.025	176.525	180
50	117.5	17.625	135.125	135