

SUMMARY OF COST ESTIMATE FOR VAC SYSTEM OF BANGALORE MRTS

(All cost in Rs. Lakhs.)						
Sl. No.	Description	Cost per station	Cost for NS section	Cost for EW section	Cost for interchange station & link line	Total cost
		(a)	(b) = (a) x 2	(c) = (a) x 3	(d) = (a) x 1.75	(b) + (c) + (d)
1	Supply Cost					
2	Installation & Labour costs (@ 15% of the supply	843	1686	2529	1475	5690
3	Base cost	126	252	378	221	851
4	Design & Consultancy including Simulation studies	969	1938	2907	1696	6541
5	Total cost (w/o taxes.)	78	156	234	137	527
6	Taxes & Duties.	1047	2094	3141	1832	7067
7	Grand total	244	488	732	427	1647
		1291	2582	3873	2259	8714
Note:	(1) The cost of interchange station & link line is assumed as 175 % of the cost of normal station.		(3) The taxes on the local material is considered as 45 %.			
	(2) The duties for the imported material is assumed as 52 % of the supply cost.		(4) Design & simulation cost assumed at 8%.			

ESTIMATE OF VAC COST FOR A TYPICAL STATION IN BANAGLORE METRO									
					COST IN RS. LAKHS				
SL.No.	Item description	Unit	Capacity	Qty.	Rate / unit	Supply cost	Installation	Total Cost	Taxes/ duties
1	Aircooled Chillers	set	250 TR	2	55	110	16.5	127	30.8
2	AHU's & acess.	set	15 cum/s	6	40	240	36	276	18
3	Ducting and pipeworks	LS		1	50	50	7.5	58	22.5
3	Trackway ex. Fans	set	20 cum/s	4	12	48	7.2	55	6.72
4	Dampers	LS		1	60	60	9	69	33.6
5	Tunnel Vent Fans	set	60 cum/s	4	20	80	12	92	11.2
6	Tunnel Booster Fans	LS		1	25	25	3.75	29	14
7	Smoke extract fans	LS		1	30	30	4.5	35	16.8
8	Ventilation for plantroom	LS		1	40	40	6	46	18
9	Standbye AC for essential rooms.	LS		1	30	30	4.5	35	13.5
8	Control & Monitoring	LS		1	50	50	7.5	58	22.5
9	MCC, Power Panels	LS		1	80	80	12	92	36
SUB TOTAL								969	244
10	Design and Simulations @ 8%	LS						78	0
GRAND TOTAL								1,047	244
SUMMARY OF COSTS									
1	Basic cost per station (with out taxes / duties)				Rs. 1047 lakhs				
2	Taxes& duties				Rs. 244 lakhs				
	(Duties @ 52% for the import materials.)								
	(Taxes @45% for the local materials.)								
3	Total cost per station				Rs. 1291 lakhs	Note : For interchnage station cost will be 75% extra			