

Table 3.8: Determination of Exposure for VaR Margins

Client A									
Day	Net Value (buy value-sale value)				Cumulative Net Value*				VaR Margin for the Day #
	Scrip A	Scrip B	Scrip C	Scrip D	Scrip A	Scrip B	Scrip C	Scrip D	
VaR Rate	25%	30%	35%	40%	25%	30%	35%	40%	
Day 1	5,000	-115,000	-49,900	3,100	5,000	-115,000	-49,900	3,100	54,455
Day 2	52,500	155,000	146,600	-248,300	57,500	40,000	96,700	-245,200	158,300
Day 3	43,000	-105,000	198,000	-100,700	95,500	50,000	344,600	-349,000	299,085
Day 4	65,000	103,000	-750,000	969,300	108,000	-2,000	-552,000	868,600	568,240
Day 5	-29,200	-31,000	408,500	-49,900	35,800	72,000	-341,500	919,400	517,835
Day 6	-5,000	0	-104,800	96,700	-34,200	-31,000	303,700	46,800	142,865
Day 7	-35,000	22,000	345,600	294,700	-40,000	22,000	240,800	391,400	257,440
Day 8	36,000	54,300	320,000	-455,300	1,000	76,300	665,600	-160,600	320,340
Client B									
Day	Net Value (buy value-sale value)				Cumulative Net Value*				VaR Margin for the Day #
	Scrip A	Scrip B	Scrip C	Scrip D	Scrip A	Scrip B	Scrip C	Scrip D	
VaR Rate	25%	30%	35%	40%	25%	30%	35%	40%	
Day 1	-31,000	13,600	122,000	69,500	-31,000	13,600	122,000	69,500	82,330
Day 2	9,800	-43,900	-33,000	59,800	-21,200	-30,300	89,000	129,300	97,260
Day 3	8,500	-59,300	94,000	64,800	18,300	-103,200	61,000	124,600	106,725
Day 4	9,900	-33,200	45,300	-25,700	18,400	-92,500	139,300	39,100	96,745
Day 5	5,940	-31,000	-115,000	-36,400	15,840	-64,200	-69,700	-62,100	72,455
Day 6	-5,000	21,500	40,000	-24,000	940	-9,500	-75,000	-60,400	53,495
Day 7	25,000	1,900	-65,000	53,000	20,000	23,400	-25,000	29,000	32,370
Day 8	36,000	11,800	38,000	48,500	61,000	13,700	-27,000	101,500	69,410
Member									
Day	Net Value (buy value-sale value)				Cumulative Net Value*				VaR Margin for the Day #
	Scrip A	Scrip B	Scrip C	Scrip D	Scrip A	Scrip B	Scrip C	Scrip D	
VaR Rate	25%	30%	35%	40%	25%	30%	35%	40%	
Day 1	36,000	128,600	171,900	72,600	36,000	128,600	171,900	72,601	136,785
Day 2	62,300	198,900	179,600	308,100	78,700	70,300	185,700	374,500	255,560
Day 3	51,500	164,300	292,000	165,500	113,800	153,200	405,600	473,600	405,810
Day 4	74,900	136,200	795,300	995,000	126,400	94,500	691,300	907,700	664,985
Day 5	35,140	62,000	523,500	86,300	51,640	136,200	411,200	981,500	590,290
Day 6	10,000	21,500	144,800	120,700	35,140	40,500	378,700	107,200	196,360
Day 7	60,000	23,900	410,600	347,700	60,000	45,400	265,800	420,400	289,810
Day 8	72,000	66,100	358,000	503,800	62,000	90,000	692,600	262,100	389,750

It is the sum of absolute cumulative net values multiplied with the VaR rate for all scrips.

* It is the cumulative net values of the scrip for last two days (T and T-1), as margins are collected on T+1 basis.

For example, the exposure at the end of day 6 is cumulative open position of the scrips for days 5 and 6.