

National Stock Exchange of India Limited

Futures and Options

Derivatives update for August 2003

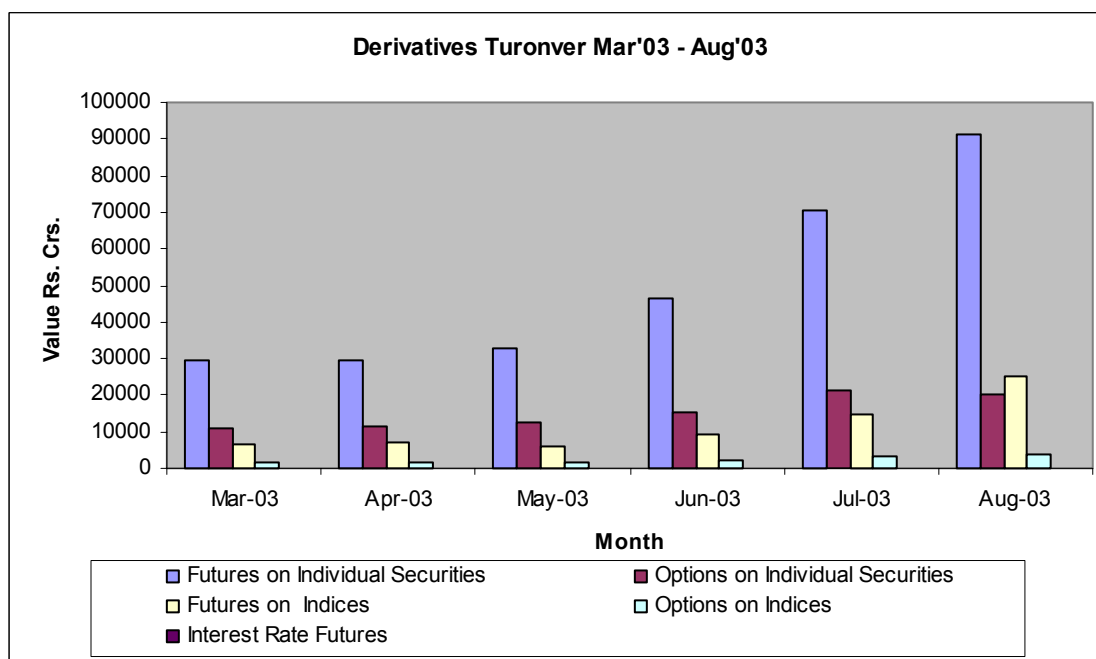
The total turnover of the derivatives segment for the month of August 2003 stood at Rs. 140363 crores as against total turnover of Rs. 109850 crores in the previous month registering an increase of 28% over previous month. During the month of August 2003, the Exchange introduced futures & options on CNXIT index and on 8 new securities.

The details of the turnover of the Derivatives Segment from March 2003 – August 2003 are as follows:

Month	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
Futures on Indices	6624	6994	6283	9348	14743	24989
Futures on Individual Securities	29770	29750	32752	46505	70515	91288
Options on Indices	1856	1707	1617	1942	3203	3838
Options on Individual Securities	11082	11569	12772	15042	21370	20247
Interest Rate Futures	0	0	0	182	19	1
Total	49332	50020	53424	73017	109850	140363

(Rs in Crores)

The graph below depicts the contribution of each segment to the total turnover from March 2003 – August 2003



Comparison of the Volumes in the F&O Segment with the Cash Segment

The turnover in the F&O segment as a percentage of the turnover in the cash segment for the month of August 2003 was 164.46% which is the highest till date. It can be observed

that for the past six months, except the month of May 2003, the volumes in the F&O Segment has been higher than the cash segment. The comparison of the turnover of the F&O Segment with Cash segment for the period March 2003- August 2003 is as follows:

(Rs in crores)

Turnover	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
F&O Segment	49332	50020	53423	73017	109850	140363
Underlying Segment	43160	48971	54690	61586	78878	85347
% of F&O to Underlying	114.30%	102.14%	97.68%	118.56%	139.27%	164.46%

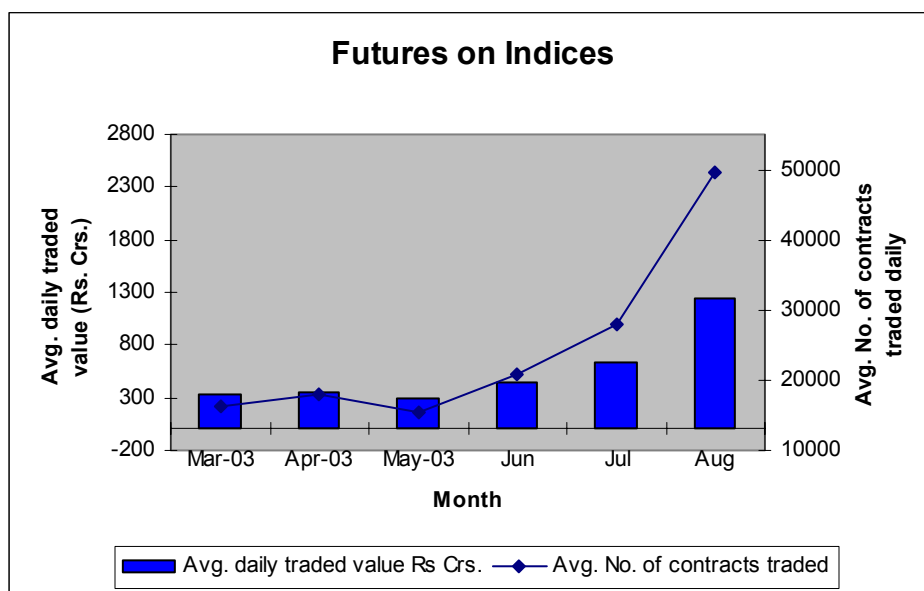
The derivatives update for the month has been divided into six parts as follows: (A) Futures on Indices (B) Futures on Individual Securities (C) Options on Indices. (D) Options on Individual Securities (E) Interest Rate Futures (F) General.

(A) Futures on Indices:

The total traded value in the Index futures for the month of August 2003 stands at Rs.24989 crores, while a total of 990731 contracts were traded during the month. The average daily traded value of Rs. 1249 crores in August 2003 increased by 95% as compared to July 2003. The average number of contracts traded daily increased by 78% over the previous month. The details of trading are given in the table below:

Month	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
No.of days	20	20	21	21	23	20
Total traded value Rs.Crs	6624	6994	6283	9348	14743	24989
Avg daily traded value Rs.Crs	331	350	299	445	641	1249
Total No.of contracts traded	325299	362157	325784	439151	641002	990731
Avg No. of contracts	16265	18108	15514	20912	27870	49537

The graph below depicts the average daily turnover and the average number of contracts traded daily from March 2003 till August 2003.



Contract wise details:

The details of contract wise turnover of the Index Futures contracts during the period February 2003 – August 2003 are given below:

Sr. No.	Contract	No.of Contracts	Traded Value Rs.Crs
1	NIFTY FEBRUARY FUTURES	223002	4712.95
2	NIFTY MARCH FUTURES	313783	6456.76
3	NIFTY APRIL FUTURES	326283	6413.34
4	NIFTY MAY FUTURES	366148	6993.94
5	NIFTY JUNE FUTURES	412783	8618.56
6	NIFTY JULY FUTURES	668548	15258.93
7	NIFTY AUGUST FUTURES	931971	23239.49
8	NIFTY SEPTEMBER FUTURES	120994	3193.94
9	NIFTY OCTOBER FUTURES	1474	38.27
10	NIFTY NOVEMBER FUTURES	16	0.43

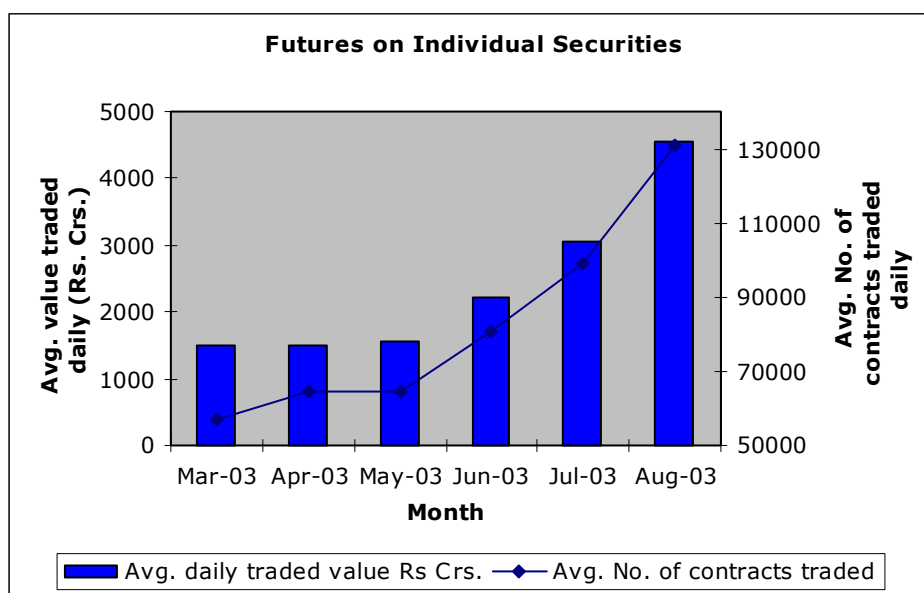
(B) FUTURES ON INDIVIDUAL SECURITIES:

The total traded value for the month of August 2003 was Rs.91288 Crs and the total contracts traded for the month were around 26.21 lakh. The average daily traded value increased substantially from Rs. 3066 crs in July 2003 to Rs.4564 crs in the current month registering an increase of 49% over the previous month. The average number of contracts traded daily increased substantially from 99236 contracts in July 2003 to 131045 contracts in the current month – an increase of 32% over the previous month.

The details of trading for the months March 2003 to August 2003 are indicated in the table below:

Month	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
No of days	20	20	21	21	23	20
Total traded value Rs. Crs	29770	29749	32752	46505	70515	91288
Avg daily traded value Rs.Crs	1488	1487	1560	2215	3066	4564
Total No of contracts traded	1138980	1291493	1354581	1694505	2282426	2620897
Average No. of contracts	56949	64575	64504	80691	99236	131045

The graph below depicts the average daily turnover and the average number of contracts traded daily from March 2003 to August 2003.



Most active Futures contracts on individual securities:

It has been observed that during the month, RELIANCE (August Expiry) has been the most actively traded with 228182 contracts being traded with a traded value of Rs.5042.07 Crs. The top 5 contracts (contract wise) for the month are follows:

Sr no.	Contract Descriptor	No of Contracts	Traded Value (Rs in crores)
1	FUTSTK RELIANCE 28-AUG-2003	228182	5042.07
2	FUTSTK SBIN 28-AUG-2003	200099	8664.88
3	FUTSTK SATYAMCOMP 28-AUG-2003	196178	4889.47
4	FUTSTK TISCO 28-AUG-2003	195734	8429.22
5	FUTSTK INFOSYSTCH 28-AUG-2003	106698	3860.42

The top 5 underlying securities in the month of August 2003 are as follows:

Sr no	Symbol	No of Contracts	Traded Value (Rs in crores)
1	RELIANCE	259791	5790.26
2	TISCO	234656	10209.72
3	SBIN	233372	10164.39
4	SATYAMCOMP	227755	5749.82
5	HINDPETRO	133013	6526.20

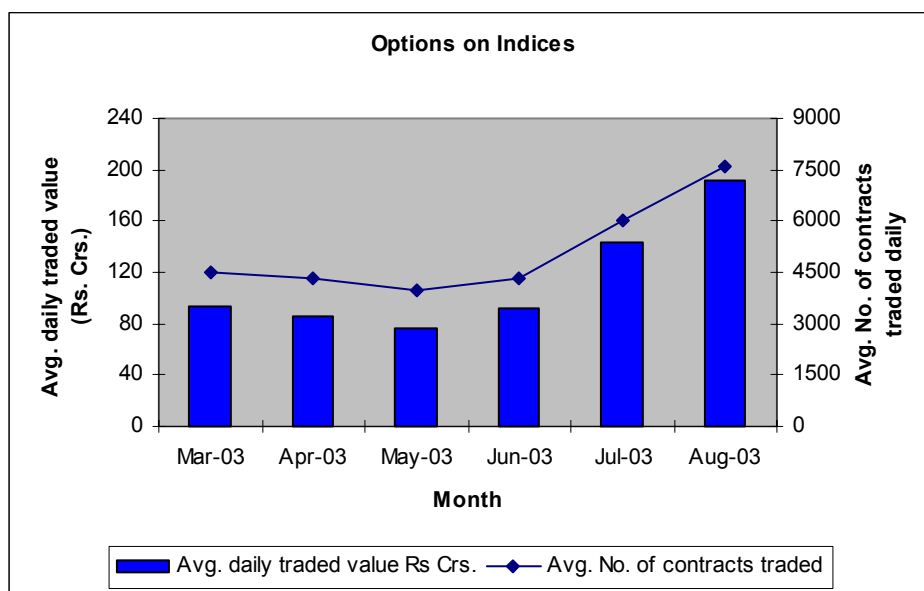
(C) OPTIONS ON INDICES:

The total traded value for the current month is Rs.3838 crores and more than 1.51 lakh contracts were traded during the month. The average daily traded value increased by 34 % from Rs. 144 crores in the previous month to Rs.192 crores. The average daily traded no. of contracts increased by 26 %, with 7576 contracts being traded daily on an average during the month of August 2003.

The details of trading between from March 2003 – August 2003 are indicated in the table below:

Month	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
No of days	20	20	21	21	23	20
Total traded value Rs. Crs	1856	1707	1617	1942	3303	3838
Average daily traded value Rs.Crs	93	85	77	92	144	192
Total No of contracts traded	89527	85997	83307	90769	137818	151524
Average No. of contracts	4476	4300	3967	4322	5992	7576

The graph below depicts the average daily turnover and the average number of contracts traded daily from March 2003 to August 2003



Classification of Option Type from March 2003 – August 2003

It has been observed that during the month of August 2003, the number of calls being traded is 1.77 times the number of puts.

Month	Calls		Puts	
	No of Contracts	Notional Value (Rs. Crs.)	No of Contracts	Notional Value (Rs. Crs.)
Mar - 03	53,788	1,116.49	35,739	739.69
Apr - 03	54,890	1,091.44	31,107	615.75
May - 03	53,198	1,038.70	30,109	578.41
Jun - 03	55,874	1,206.50	34,895	735.07
Jul - 03	87,149	2,039.53	50,669	1,163.41
Aug - 03	96,875	2,476.88	54,649	1361.61

Most active Index Options Contracts:

It has been observed during the month, the August 2003, 1200 Call was most actively traded with 8574 contracts being traded with a notional value of Rs.211.23 Crs. The top 5 contracts (contract wise) for the month are follows:

Sr no.	Contract	No of Contracts	Rs in crores
1	OPTIDX NIFTY 28-AUG-2003 CE 1200	8574	211.23
2	OPTIDX NIFTY 28-AUG-2003 CE 1300	7927	209.01
3	OPTIDX NIFTY 28-AUG-2003 CE 1220	7724	193.29
4	OPTIDX NIFTY 28-AUG-2003 CE 1240	7209	182.91
5	OPTIDX NIFTY 28-AUG-2003 CE 1190	6409	156.98

CE-Call European, PE-Put European

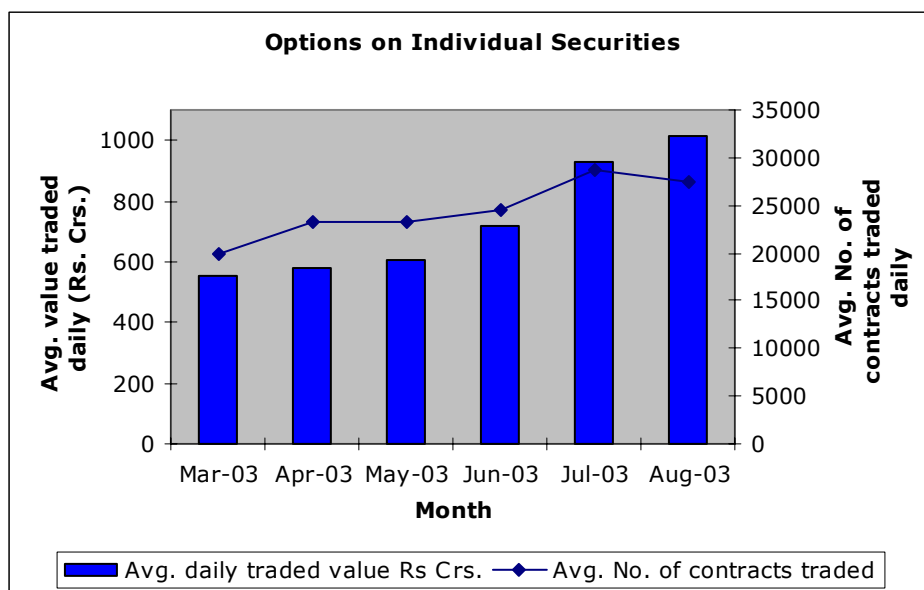
(D) OPTIONS ON INDIVIDUAL SECURITIES:

The total traded value for the current month is Rs.20247 crores and 5.51 lakh contracts were traded during the month. The average daily traded value increased by 9 % to Rs.1012 crores from previous month's to Rs.929 crores. The average daily traded no. of contracts has decreased by 4 % with 27545 contracts on an average being traded daily during the month of August 2003.

The details of trading for the months March 2003 - August 2003 are indicated in the table below:

Month	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
No of days	20	20	21	21	23	20
Total traded value Rs. Crs	11082	11569	12772	15042	21370	20247
Average daily traded value Rs.Crs	554	578	608	716	929	1012
Total No of contracts traded	396198	465823	488378	516101	658354	550896
Average No. of contracts	19810	23291	23256	24576	28624	27545

The graph below depicts the average daily turnover and the average number of contracts traded daily from March 2003 to August 2003



Classification of Options Type from March 2003- August 2003

It has been observed that during the month of August 2003, the number of calls being traded is 3.73 times the number of puts.

Month	Calls		Puts	
	No of Contracts	Notional Value (Rs. Crs.)	No of Contracts	Notional Value (Rs. Crs.)
Mar - 03	255658	7163.40	140540	3918.62
Apr - 03	297270	7,471.27	168,553	4,098.07
May - 03	332529	8,860.56	155,849	3,911.27
Jun - 03	383603	11302.61	132,498	3739.03
Jul - 03	495853	16180.12	162501	5189.48
Aug - 03	434526	16027.59	116370	4219.14

Most active options contracts on individual securities:

It has been observed during the last month, August 2003 SATYAMCOMP 210 Call has been the most actively traded with 16393 contracts being traded with a notional value of Rs.429.47 Crs. The top 5 contracts (contract wise) for the month are follows:

Sr no	Contracts	No of contracts	Rs in crores
1	OPTSTK SATYAMCOMP 28-AUG-2003 CA 210	16393	429.47
2	OPTSTK SBIN 28-AUG-2003 CA 430	11633	515.83
3	OPTSTK SBIN 28-AUG-2003 CA 440	10922	490.93
4	OPTSTK SATYAMCOMP 28-AUG-2003 CA 220	9434	255.04
5	OPTSTK RELIANCE 28-AUG-2003 CA 370	9233	210.46

CA-Call American, PA-Put American

The top 5 underlying securities in the month of August 2003, are as follows:

Sr no	Security	No. of Contracts	Notional Value (Rs. Crs.)
1	TISCO	69062	3048.78
2	SATYAMCOMP	64023	1668.09
3	SBIN	63023	2806.47
4	RELIANCE	52059	1183.21
5	HINDPETRO	41550	2078.96

(E) INTEREST RATE FUTURES:

A summation of the trades in Interest Rate futures till the month of August 2003 are given in the table below:

Month	Jun-03	Jul-03	Aug-03
No of days	5	23	20
Total traded value Rs Crs.	181.85	19.32	1.04
Avg. daily traded value Rs Crs.	36.37	0.84	0.05
Total No. of contracts traded	9768	963	50
Avg. No. of contracts traded	1954	42	2.5

(F) GENERAL:

1. RECORDS TILL DATE IN THE DERIVATIVES SEGMENT

Product	Value (Rs. Crs.)	Date
Nifty Futures	2669.75	25-Aug-03
Futures on individual securities	6229.70	25-Aug-03
Nifty Options	327.12	25-Aug-03
Options on individual securities	1323.12	27-Aug-03
Interest Rate Futures	139.92	24-Jun-03
Total Derivatives volumes	10403.66	25-Aug-03

2. OPEN INTEREST AS ON EXPIRY DATE (No. of Contracts):

	Mar-03	Apr-03	May-03	Jun-03	Jul-03	Aug-03
Futures on Individual Securities	60845	60596	70830	84220	106453	116237
Options on Individual Securities	73878	77944	83355	79608	96540	78704
NIFTY Futures	16759	21414	17292	19230	22358	26952
NIFTY Options	17259	18446	21104	21783	26700	30033
Interest Rate Futures	-	-	-	7223	2281	752
Total	168741	178400	192581	212264	254332	252678

MEMBER INFORMATION:

Region wise classification of Active Members for the month of August 03:

Sr. No	CITY	No. of Members
1	AGRA	2
2	AHMEDABAD	13
3	ANAND/ VALLABH-VIDHYANAGAR	1
4	BANGALORE	7
5	BARODA	4
6	CALCUTTA / HOWRAH	60
7	CHANDIGARH/MOHALI/PANCHKULA	1
8	CHENNAI	23
9	COCHIN/ERNAKULAM/PARUR/KALAMSERRY/ALWAYE	4
10	COIMBATORE	2
11	DELHI/GHAZIABAD	113
12	GAJUWAKA/VISHAKHAPATNAM	2
13	GANDHINAGAR	1
14	GORAKHPUR	1
15	HYDERABAD/SECUNDERABAD/KUKATPALLY	18
16	INDORE	6
17	JAIPUR	4
18	KANPUR	1
19	LUCKNOW	2
20	LUDHIANA	1
21	MEERUT	1
22	MUMBAI	234
23	PUNE	4
24	RAJKOT	2
25	SURAT	1
26	TENALI	1
27	TRIVANDRUM	1
28	GRAND TOTAL	510

CLASSIFICATION OF MEMBERS FOR THE DERIVATIVES SEGMENT:

As on August 31, 2003, there are 593 SEBI registered members in the F&O Segment, of which 541 are enabled on the F&O segment of the Exchange. The details are as follows:

Category	SEBI registered	Enabled on F&O
PCM - (Clears for others)	13	6
CM + TM – (Trades and clears for self and others)	148	133
TM + SCM – (Trades and Clears for Self)	37	25
TM - (Trades for self and clears through others)	382	370
Total	580*	534**

*This figure excludes 12 members whose surrender of membership has been approved by the Exchange but no dues certificate / cancellation by SEBI is to be completed.

**This figure excludes 7 members whose surrender of membership has been approved by the Exchange but no dues certificate / cancellation by SEBI is to be completed.

MEMBER TRADING PATTERN IN THE DERIVATIVES SEGMENT:

Total Turnover (F&O)

An analysis of members trading across both products in the month of August 2003, indicates that the majority of members have a monthly traded value of more than Rs.50 crore with 143 members contributing more than Rs. 500 crores. An analysis for the period March 2003 to August 2003 is given below:

Month	No. of Members					
	Mar	Apr	May	Jun	Jul	Aug
Upto Rs. 5 crore	48	43	42	34	26	14
Rs.5 crore upto Rs.50 crore	167	169	163	144	111	107
Rs.50 crore upto Rs.250 crore	171	168	175	178	180	168
Rs.250 crore upto Rs.500 crore	50	58	59	68	70	78
More than Rs. 500 crore	49	50	55	77	120	143

Futures sub segment:

The member-trading pattern in the futures segment for the month of August 2003, indicates that the majority of members have a monthly traded value of more than Rs.50 crore. An analysis for the period March 2003 to August 2003 is given below:

Month	No. of Members					
	Mar	Apr	May	Jun	Jul	Aug
Upto Rs. 5 crore	58	64	62	47	31	23
Rs.5 crore upto Rs.50 crore	191	186	187	157	145	121
Rs.50 crore upto Rs.250 crore	155	160	162	179	164	169
Rs.250 crore upto Rs.500 crore	50	46	47	58	74	72
More than Rs. 500 crore	31	32	36	60	93	125

Options sub segment:

In the options segment for the month of August 2003, most of the members have monthly notional traded value of more than Rs. 5 crore. An analysis for the period March 2003 to August 2003 is given below:

Month	No. of Members					
	Mar	Apr	May	Jun	Jul	Aug
Upto Rs. 5 crore	163	152	160	143	126	128
Rs.5 crore upto Rs.50 crore	211	222	212	226	206	212
Rs.50 crore upto Rs.250 crore	89	87	94	96	130	122
Rs.250 crore upto Rs.500 crore	15	17	17	21	20	25
More than Rs. 500 crore	7	10	11	15	25	23

Member wise Contribution (value wise)

Futures sub segment: It has been observed that in the month of August 2003, top 5 members have contributed to nearly 15% of the volumes in the futures segment.

Turnover	Mar%	Apr%	May%	Jun%	Jul%	Aug%
Top 5 Members	15	15	15	14	14	15
Top 10 Members	24	24	24	23	23	24
Top 15 Members	31	31	31	29	29	30
Top 25 Members	40	40	40	38	39	39

Options sub segment: It has been observed that in the month of August 2003 top 5 members have contributed to nearly 17% of the volumes in the options sub-segment.

Turnover	Mar %	Apr%	May %	Jun %	Jul%	Aug%
Top 5 Members	18	16	16	16	17	17
Top 10 Members	28	27	27	27	27	28
Top 15 Members	37	35	35	35	36	36
Top 25 Members	48	48	47	47	47	47

Volume contribution (Gross) from Institutional and non-institutional Participants for the period March 2003 – August 2003:

S No	Month	Institutional Investors		Non - Institutional investors	
		Value in Rs. Crs	% Contribution	Value in Rs. Crs	% Contribution
1	Mar-03	1199	1.22	97464	98.78
2	Apr-03	1287	1.29	98752	98.71
3	May-03	1307	1.22	105540	98.78
4	Jun-03	2251	1.55	143783	98.45
5	Jul-03	3699	1.68	216000	98.32
6	Aug-03	4549	1.62	276176	98.38

CITY WISE CONTRIBUTION OF TURNOVER FOR THE DERIVATIVES SEGMENT:

The details of city wise contribution for the month August 2003 are as follows:

Location	Mar-03	Apr-03	May -03	Jun-03	Jul-03	Aug-03
MUMBAI	41.10%	40.58%	40.0%	40.22%	40.57%	40.51%
DELHI	22.40%	21.84%	21.9%	21.24%	21.46%	22.06%
KOLKATA	14.60%	15.00%	15.3%	15.21%	14.86%	14.05%
CHENNAI	2.30%	2.49%	2.3%	2.23%	2.18%	2.29%
AHMEDABAD	1.80%	2.10%	2.2%	2.11%	2.20%	2.14%
CHANDIGARH	1.90%	1.99%	2.1%	2.43%	2.39%	2.38%
JAIPUR	2.50%	2.42%	2.0%	2.15%	2.06%	2.18%
BANGALORE	1.20%	1.20%	1.2%	1.12%	1.24%	1.19%
HYDERABAD	0.80%	0.83%	1.2%	0.81%	0.85%	0.87%
LUDHIANA	1.00%	1.07%	0.8%	1.05%	0.88%	0.80%
OTHERS	10.40%	10.48%	10.9%	12.39%	11.31%	0.12%
TOTAL	100.00%	100.00%	100.0%	100.00%	100.00%	100.00%