

June 24, 2021

Rollover Analysis

Settlement likely between 15600 and 15800 levels

Research Analysts

Raj Deepak Singh

rajdeepak.singh@icicisecurities.com

Dipesh Dedhia

dipesh.dedhia@icicisecurities.com

Nandish Patel

nandish.patel@icicisecurities.com

Siddhesh Jain

siddhesh.jain@icicisecurities.com

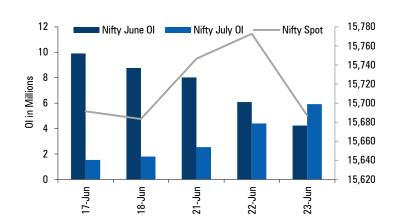
Heavyweight rollover remains above average for July series...



Rollover Snapshot

	June	May	April
Market wide rollover (%)	75.8	76.59	69.42
Nifty Rollover (%)	59.39	58.74	53.17
Nifty Rollover cost (%)	0.30	0.21	0.29

OI build up in current and mid series



Source: Bloomberg, Seediff.com, ICICI Direct Research

Rollover Highlights

- Nifty rolls were nearly 59.39% against 3M average of 57.10%
- Marketwide rolls were at 75.80% vs. the 3M average of 73.94%
- Highest rollover was seen in LTI, Federal Bank, Colgate, Apollo Tyres and Ramco Cement
- Rollover activity was relatively low in Lupin, Motherson Sumi, Mphasis,
 Gujarat Gas and Bandhan Bank
- Among index stocks, Grasim (91%), Britannia (90%) and JSW Steel (88%) are witnessing high rolls into the next series while NTPC (56%), Cipla (58%) and Hindustan Unilever (61%) are seeing relatively low roll into the July series
- The open interest in the Nifty has declined marginally amid higher closure seen in the June series. During the last session, July series saw additions of 1.5 million shares while near-month saw closure of 1.8 million shares. Despite closure, the roll spread has remained almost unchanged near 45 points. Considering the dividend of near 20 points, we believe the roll spread may not increase further. However, open interest in the index is substantially low at just 5.9 million for the July series
- The open interest in the Bank Nifty saw a marginal increase and midmonth saw addition of just 0.2 million shares. Moreover, the roll spread in the banking index also remained almost unchanged near 125 points. We believe the roll spread may increase marginally during settlement

Heavyweight rollover remains above average for July series...



Stock Rollover										
High R	ollover	Low Ro	ollover							
Stock	Rollover %	Stock	Rollover %							
PIIND	93.23	IDEA	51.22							
GRASIM	90.99	LUPIN	54.71							
BRITANNIA	89.73	NTPC	56.88							
JSWSTEEL	88.45	MOTHERSUMI	57.40							
LTI	88.23	CIPLA	58.85							

Heavyweights build up vis-à-vis rollover cost 0.60 MARUTI HINDUNILVR ITC INFY ONGC 0.50% Rollover Cost... **HDFC** 0.40 KOTAKBANK ASIANPAINT **TCS** 0.30 **RFI IANCE** 0.20 HCLTECH 0.10 **CIPLA** NTPC 0.00 0.37 0.39%OI left from the highest OI of June series

The diagram above depicts the rollover cost of index heavyweights along with the open interest left for the settlement in comparison with highest OI levels of the series. The size of the bubble represents maximum open interest of the stock futures while the 'X' axis indicates percentage left in near month open interest of the highest open interest attained in the series. The 'Y' axis shows the % rollover cost associated with the stock.

- Broader markets continued their range bound move. The Nifty
 has remained largely in the range of 15600-15800 in most of the
 June series. With 15800 Call holding significantly high open
 interest, settlement above these levels seems difficult. On
 downsides, Put base of 15600 may act as support for the day
- The banking index remained below its VWAP levels of 35200 levels and despite multiple attempts in recent sessions, failed to move above these levels. Hence, we do not expect the Bank Nifty to settle above its VWAP levels. However, 34500 should act as immediate support for the banking index
- The roll spread in both the Nifty, Bank Nifty has remained largely unchanged despite marginal closure seen in June series. While long roll can be done in most heavyweights around 30-40 bps, no major short additions are visible. We expect closure of long positions to keep the roll spread under pressure
- Most index heavyweights are witnessing better rollover of positions in the July series. Marginally high open interest is visible among select PSU and banking stocks in the near month
- In the midcap space, Lupin, Motherson Sumi and few PSU stocks are witnessing relatively high open interest being left in the June series settlement. Volatility is likely to be high in these stocks

Source: Bloomberg, Seediff.com, ICICI Direct Research

Rollover Details



Instrument	Rollover %	Previous Rollover %	June	July	August	Total OI	Rollover Cost %	Previous Rollover Cost %	Instrument	Rollover %	Previous Rollover %	June	July	August	Total OI	Rollover Cost %	Previous Rollover Cost %
AARTIIND	73.92	75.21	706350	1986450	15300	2708100	0.2	-0.18	BHEL	69.41	74.89	27636000	61393500	1312500	90342000	0.61	0.62
ACC	75.52	68.85	615000	1891500	5000	2511500	0.48	0.46	BIOCON	78.05	74.03	3079700	10669700	278300	14027700	0.49	0.50
ADANIENT	76.89	69.4	4146000	13081000	710000	17937000	0.40	0.40	BOSCHLTD	82.95	73.40	22350	107800	950	131100	-0.39	0.50
ADANIPORTS	81.55	86.27	15066250	65277500	1317500	81661250	0.57	0.55	BPCL	80.34	57.78	6620400	26733600	315000	33669000	0.5	0.34
ALKEM	76.86	83.05	126600	418000	2400	547000	0.57	0.45	BRITANNIA	89.73	88.87	192200	1669600	9600	1871400	0.35	0.30
AMARAJABAT	83.43	80.36	1627000	7922000	269000	9818000	-0.19	0.43	CADILAHC	80.60	81.84	4818000	19850600	171600	24840200	-0.1	0.50
AMBUJACEM	80.64	88.19	3906000	16251000	15000	20172000	0.35	0.17	CANBK	82.92	70.58	9482400	45689400	345600	55517400	0.56	0.23
APLLTD	62.62	84.27	572550	942150	17050	1531750	-1.02	0.17	CHOLAFIN	66.52	73.13	2685000	5201250	133750	8020000	0.34	0.13
APOLLOHOSP	76.06	69.67	420000	1321500	13250	1754750	0.46	0.47	CIPLA	58.85	73.97	3900000	5145400	431600	9477000	0.16	0.43
APOLLOTYRE	85.26	72.96	1992500	11317500	205000	13515000	-0.98	0.25	COALINDIA	71.76	76.02	18282600	44683800	1785000	64751400	0.2	0.52
ASHOKLEY	72.24	83.06	11929500	30393000	657000	42979500	-0.34	0.60	COFORGE	71.72	73.96	203625	514800	1600	720025	0.49	0.63
ASIANPAINT	71.31	84.99	1153200	2845200	20700	4019100	0.48	0.01	COLPAL	86.47	87.88	354900	2264500	2800	2622200	0.5	0.49
AUBANK	81.88	79.83	475000	2070000	77000	2622000	0.15	-0.06	CONCOR	74.37	81.95	1789635	5162589	29697	6981921	0.46	0.48
AUROPHARMA	74.69	84.96	2945800	8619650	73450	11638900	0.47	0.49	CUB	82.27	82.95	1760800	7982500	189100	9932400	0.51	0.46
AXISBANK	74.45	75.8	8553600	24787200	133200	33474000	0.48	0.56	CUMMINSIND	84.19	73.99	436200	2263800	59400	2759400	0.46	0.44
BAJAJ-AUTO	74.54	69.3	418750	1220250	6000	1645000	-2.77	0.46	DABUR	75.07	79.53	1787500	5193750	190000	7171250	0.26	0.44
BAJAJFINSV	71.82	79.1	200500	505050	6000	711550	0.42	0.49	DEEPAKNTR	67.45	71.71	933500	1892000	42500	2868000	0.33	0.50
BAJFINANCE	71.80	84.05	1033000	2603500	26500	3663000	0.3	0.44	DIVISLAB	76.72	76.07	568800	1860400	13600	2442800	0.47	0.49
BALKRISIND	81.27	71.81	226400	966000	16400	1208800	0.52	0.46	DLF	82.41	88.18	6296400	29317200	174900	35788500	0.51	0.50
BANDHANBNK	65.80	84.11	4955400	9439200	93600	14488200	0.37	0.20	DRREDDY	78.52	79.49	519375	1883000	15250	2417625	-0.01	0.46
BANKBARODA	79.46	81.37	31473000	120404700	1345500	153223200	0.67	0.68	EICHERMOT	81.43	77.79	346500	1503250	16450	1866200	0.01	0.41
BANKNIFTY	57.73	56.03	877850	1157425	41450	2076725	0.35	0.46	ESCORTS	80.45	81.86	1029050	4134350	99550	5262950	-0.07	0.48
BATAINDIA	76.42	69.93	294800	932250	23100	1250150	0.63	0.45	EXIDEIND	68.03	82.13	4258800	8859600	201600	13320000	0.32	0.42
BEL	74.22	62.92	7782400	22059000	345800	30187200	0.33	0.30	FEDERALBNK	87.47	80.63	10720000	73880000	930000	85530000	-0.18	0.58
BERGEPAINT	66.83	74.84	1127500	2252800	18700	3399000	0.26	0.66	FINNIFTY	53.67	47.09	5560	5960	480	12000	0.17	0.13
BHARATFORG	77.99	82.45	1497000	5205000	99000	6801000	0.23	0.51	GAIL	80.05	73.84	6374500	25290600	280600	31945700	0.49	0.66
BHARTIARTL	81.06	82.61	20744157	87796632	977328	109518117	0.52	0.52	GLENMARK	83.79	77.18	1251200	6433100	35650	7719950	0.52	0.51

Source: Bloomberg, Seediff.com, ICICI Direct Research

Rollover Details



Instrument	Rollover	Previous	June	July	August	Total OI	Rollover	Previous Rollover	Instrum	nent	Rollover	nent	nent June	nent June July	nent July August	nent July August Total Ol	nent June July August Total Ol
strumont	%	Rollover %	ouno	outy	August	Total of	Cost %	Cost %	macramor		%	% Rollover %	% Rollover %	% Rollover %	% Rollover %	% Rollover % Suity August Total St	% Rollover % Cost %
MRINFRA	70.79	61.19	36247500	86400000	1440000	124087500	0.62	0.55	100		72.99	72.99 81.51	72.99 81.51 14898000	72.99 81.51 14898000 38928500	72.99 81.51 14898000 38928500 1339000	72.99 81.51 14898000 38928500 1339000 55165500	72.99 81.51 14898000 38928500 1339000 55165500 0.35
DREJCP	77.16	78.67	833000	2794000	20000	3647000	0.61	0.40	IRCTC		71.49	71.49 76.72	71.49 76.72 547950	71.49 76.72 547950 1332500	71.49 76.72 547950 1332500 41600	71.49 76.72 547950 1332500 41600 1922050	71.49 76.72 547950 1332500 41600 1922050 0.56
OREJPROP	80.76	83.71	354250	1468350	18200	1840800	0.28	0.30	ITC	6	7.69	77.69 77.89	77.69 77.89 57193600	77.69 77.89 57193600 114800000	77.69 77.89 57193600 114800000 4995200	77.69 77.89 57193600 114800000 4995200 176988800	7.69 77.89 57193600 114800000 4995200 176988800 0.49
ANULES	74.11	69.96	3154250	8848950	179800	12183000	0.25	0.50	JINDALSTEL	71.	75	75 77.78	75 77.78 9180000	75 77.78 9180000 22820000	75 77.78 9180000 22820000 490000	75 77.78 9180000 22820000 490000 32490000	75 77.78 9180000 22820000 490000 32490000 0.49
ASIM	90.99	81.66	1071125	10797700	20900	11889725	0.49	0.46	JSWSTEEL	88.4	15	15 84.62	4563000 B4.62	45 84.62 4563000 34445250	45 84.62 4563000 34445250 487350	84.62 4563000 34445250 487350 39495600 487350 39495600	84.62 4563000 34445250 487350 39495600 -0.37
IGASLTD	65.68	75.83	938750	1758750	37500	2735000	0.44	0.53	JUBLF00D	79.9	96	96 79.92	96 79.92 270000	96 79.92 270000 1072000	96 79.92 270000 1072000 5000	96 79.92 270000 1072000 5000 1347000	96 79.92 270000 1072000 5000 1347000 0.47
/ELLS	80.69	78.71	1269500	5233500	72000	6575000	0.51	0.15	KOTAKBANK	69.7	7	7 84.61	7 84.61 4415200	7 84.61 4415200 10062800	7 84.61 4415200 10062800 96000	7 84.61 4415200 10062800 96000 14574000	7 84.61 4415200 10062800 96000 14574000 0.47
TECH	70.16	84.03	6160700	14350000	133000	20643700	0.23	0.49	L&TFH	75.84		76.42	76.42 14135616	76.42 14135616 43201084	76.42 14135616 43201084 1160120	76.42 14135616 43201084 1160120 58496820	76.42 14135616 43201084 1160120 58496820 0.53
FC	73.32	80.63	4281600	11703600	61500	16046700	0.47	-0.43	LALPATHLAB	79.21		68.05	68.05 70000	68.05 70000 263750	68.05 70000 263750 3000	68.05 70000 263750 3000 336750	68.05 70000 263750 3000 336750 0.06
FCAMC	84.27	57.73	87800	467200	3200	558200	-0.67	0.40	LICHSGFIN	72.08		79.31	79.31 3928000	79.31 3928000 9752000	79.31 3928000 9752000 388000	79.31 3928000 9752000 388000 14068000	79.31 3928000 9752000 388000 14068000 0.39
FCBANK	81.05	86.48	4737150	20017250	237600	24992000	-0.1	0.21	LT	74.99		87.51	87.51 3747850	87.51 3747850 9527175	87.51 3747850 9527175 1708325	87.51 3747850 9527175 1708325 14983350	87.51 3747850 9527175 1708325 14983350 0.26
FCLIFE	82.23	79.07	1670900	7665900	67100	9403900	0.21	0.50	LTI	88.23	3	83.73	83.73 68850	8 83.73 68850 510000	8 83.73 68850 510000 6150	8 83.73 68850 510000 6150 585000	8 83.73 68850 510000 6150 585000 -0.12
ОМОТОСО	84.67	77.8	645000	3497100	66600	4208700	-0.67	0.51	LTTS	82.0	1	1 69.41	1 69.41 80200	1 69.41 80200 364800	1 69.41 80200 364800 800	1 69.41 80200 364800 800 445800	1 69.41 80200 364800 800 445800 0.06
DALCO	67.7	71.55	8799950	18098700	346150	27244800	0.5	0.54	LUPIN	54.71		72.5	72.5 3540250	72.5 3540250 4051100	72.5 3540250 4051100 226100	72.5 3540250 4051100 226100 7817450	72.5 3540250 4051100 226100 7817450 0.26
DPETRO	82.38	82.15	4012200	18711000	43200	22766400	0.55	0.63	M&M	78.24		76.99	76.99 2135700	76.99 2135700 7542500	76.99 2135700 7542500 137900	76.99 2135700 7542500 137900 9816100	76.99 2135700 7542500 137900 9816100 -0.63
IDUNILVR	61.62	71.92	2555700	4080900	21900	6658500	0.49	-0.17	M&MFIN	81.19		78.14	78.14 8572000	78.14 8572000 35796000	78.14 8572000 35796000 1204000	78.14 8572000 35796000 1204000 45572000	78.14 8572000 35796000 1204000 45572000 0
JLHSGFIN	75.25	78.34	7458600	22378900	297600	30135100	0.6	-3.46	MANAPPURAM	75.23		69.98	69.98 6180000	69.98 6180000 18378000	69.98 6180000 18378000 396000	69.98 6180000 18378000 396000 24954000	69.98 6180000 18378000 396000 24954000 0.53
CIBANK	77.16	66.02	16142500	54131000	412500	70686000	0.35	0.40	MARICO	78.73		79.46	79.46 1240000	79.46 1240000 4542000	79.46 1240000 4542000 48000	79.46 1240000 4542000 48000 5830000	79.46 1240000 4542000 48000 5830000 0.49
CICIGI	79	77.79	245650	918850	5100	1169600	0.46	0.22	MARUTI	64.7		65.41	65.41 751000	65.41 751000 1351500	65.41 751000 1351500 24700	65.41 751000 1351500 24700 2127200	65.41 751000 1351500 24700 2127200 0.51
CICIPRULI	86.56	81.34	750000	4803000	27000	5580000	0.47	0.42	MCDOWELL-N	78.08		80.41	80.41 2287500	80.41 2287500 8092500	80.41 2287500 8092500 53750	80.41 2287500 8092500 53750 10433750	80.41 2287500 8092500 53750 10433750 0.42
DEA	51.22	58.12	387590000	399980000	7000000	794570000	1.01	1.17	MFSL	81.8		88.04	88.04 404300	88.04 404300 1812850	88.04 404300 1812850 4550	88.04 404300 1812850 4550 2221700	88.04 404300 1812850 4550 2221700 0.54
DFCFIRSTB	76.49	76.59	30343000	95636500	3097000	129076500	0.35	0.09	MGL	79.5		86.1	86.1 394800	86.1 394800 1504200	86.1 394800 1504200 26400	86.1 394800 1504200 26400 1925400	86.1 394800 1504200 26400 1925400 0.53
iL .	79.76	83.24	1915375	7409875	136125	9461375	0.49	0.51	MINDTREE	80.29		86.47	86.47 347200	86.47 347200 1408800	86.47 347200 1408800 5600	86.47 347200 1408800 5600 1761600	86.47 347200 1408800 5600 1761600 -0.19
DIGO	79.43	78	647500	2483500	17000	3148000	0.42	0.08	MOTHERSUMI	57.4	ļ	69.24	69.24 12803000	69.24 12803000 16576000	69.24 12803000 16576000 675500	69.24 12803000 16576000 675500 30054500	69.24 12803000 16576000 675500 30054500 0.59
IDUSINDBK	80.81	71.63	3720600	15599700	68400	19388700	0.31	0.46	MPHASIS	62.0	7	7 70.68	7 70.68 249275	7 70.68 249275 404300	7 70.68 249275 404300 3575	7 70.68 249275 404300 3575 657150	7 70.68 249275 404300 3575 657150 -1.88
NDUSTOWER	76.67	73.64	2811200	9139200	100800	12051200	0.54	0.33	MRF	74.55	5	5 75.9	5 75.9 10700	5 75.9 10700 31000	5 75.9 10700 31000 340	5 75.9 10700 31000 340 42040	5 75.9 10700 31000 340 42040 0.41
NFY	66.75	83.57	10977000	21770400	262200	33009600	0.56	-0.60	MUTH00TFIN	74.54	1	81.94	81.94 752250	81.94 752250 2181750	81.94 752250 2181750 21000	81.94 752250 2181750 21000 2955000	4 81.94 752250 2181750 21000 2955000 0.56

Rollover Details



Instrument	Rollover %	Previous Rollover %	June	July	August	Total OI	Rollover Cost %	Previous Rollover Cost %	Instrument	`	Previous Rollover %	June	July	August	Total OI	Rollover Cost %	Previous Rollover Cost %
NAM-INDIA	68.86	71.64	734400	1598400	25600	2358400	0.35	-0.87	SIEMENS	79.71	60.89	214500	828025	14850	1057375	0.52	0.50
NATIONALUM	68.72	79.88	27251000	58854000	1003000	87108000	0.51	0.56	SRF	82.55	77.26	52625	248375	500	301500	0.52	0.48
NAUKRI	66.27	78.61	421750	821250	7500	1250500	0.5	0.53	SRTRANSFIN	66.57	76.14	1701200	3370400	16800	5088400	0.49	0.05
NAVINFLUOR	77.03	52	72450	237825	5175	315450	0.3	0.45	SUNPHARMA	84.23	85.68	6197800	32732000	375200	39305000	0.5	0.55
NESTLEIND	81.37	77.89	47100	202250	3500	252850	0.42	0.46	SUNTV	69.39	89.69	4209000	9259500	282000	13750500	0.62	0.53
NIFTY	59.39	58.74	4233975	5918600	273650	10426225	0.3	0.21	TATACHEM	69.81	73.24	2129000	4850000	73000	7052000	0.5	-0.94
NMDC	66.39	75.3	28421400	55040500	1112200	84574100	0.17	0.51	TATACONSUM	77.53	82.83	1660500	5709150	21600	7391250	0.5	-0.23
NTPC	56.88	55.61	33094200	42710100	940500	76744800	0	0.49	TATAMOTORS	82.65	77.49	15962850	74849550	1191300	92003700	0.37	0.51
ONGC	66.21	75.33	27789300	53907700	554400	82251400	0.45	0.53	TATAP0WER	77.25	84.31	30213000	100379250	2220750	132813000	0.54	-0.85
PAGEIND	75.93	89.1	19320	60870	90	80280	0.49	0.49	TATASTEEL	78.65	85.5	10102250	36676650	532950	47311850	0.48	-1.72
PEL	82.86	81.58	575300	2768975	12375	3356650	-0.72	0.62	TCS	77.44	86.21	1856700	6301500	72300	8230500	0.37	0.53
PETRONET	83.8	69.89	4011000	19881000	873000	24765000	-1.02	0.47	TECHM	80.26	59.63	2697600	10914600	51000	13663200	-2.15	0.5
PFC	84.61	78.22	6268200	33740400	731600	40740200	-1.06	0.59	TITAN	78.79	65.64	979125	3602625	35250	4617000	0.22	0.48
PFIZER	80.2	72.67	73000	294375	1250	368625	0.55	0.50	TORNTPHARM	75.68	79.3	157750	488500	2500	648750	0.57	-0.02
PIDILITIND	75.51	81.04	569000	1744500	10000	2323500	0.42	0.48	TORNTPOWER	78.07	72.24	922500	3259500	25500	4207500	0.1	-0.85
PIIND	93.23	81.85	47500	652750	1000	701250	0.5	0.50	TRENT	71.72	74.04	254475	638000	7250	899725	0.42	0.5
PNB	78.82	54.76	70448000	258064000	4032000	332544000	0.71	0.89	TVSMOTOR	70.59	89.94	1979600	4726400	25200	6731200	0.67	0.52
POWERGRID	63.74	65.78	8164000	13964000	388000	22516000	-0.26	0.51	UBL	77.54	84.22	588700	2018800	14000	2621500	0.34	0.08
PVR	72.72	69.88	403744	1043141	32967	1479852	0.35	-0.21	ULTRACEMCO	83.65	86.22	380700	1415000	532100	2327800	0.33	0.46
RAMCOCEM	84.8	85.51	294100	1629450	11050	1934600	0.33	0.47	UPL	83.39	77	3958500	16815500	3064100	23838100	-0.34	0.48
RBLBANK	71.94	70.72	6240800	15459900	536500	22237200	0.41	0.48	VEDL	78.75	76.89	26470900	97600400	508400	124579700	0.58	0.61
RECLTD	76.1	70	5958000	18744000	228000	24930000	0.52	0.57	VOLTAS	71.44	74.84	1022500	2503500	54000	3580000	0.21	0.21
RELIANCE	70.12	70.82	10800000	24950750	393500	36144250	0.48	0.44	WIPR0	85.33	86.69	4547200	26308800	134400	30990400	0.4	0.26
SAIL	84.23	85.44	27882500	144115000		176757000	0.4	0.67	ZEEL	70.06	84.38	24051000	56064000	213000	80328000	0.28	0.49
SBILIFE	81.11	64.88	1248750	5328000	33000	6609750	0.65	0.63									
SBIN	77.48	76.31	18843000	63639000	1177500	83659500	0.5	-0.47									
SHREECEM	80.65	68.8	24125	100375	200	124700	0.28	0.51									

Source: Bloomberg, Seediff.com, ICICI Direct Research



Pankaj Pandey Head – Research pankaj.pandey@icicisecurities.com

ICICI Direct Research Desk,
ICICI Securities Limited,
1st Floor, Akruti Trade Centre,
Road no.7, MIDC
Andheri (East)
Mumbai – 400 093
research@icicidirect.com

CLICK HERE



Disclaimer



We /l, Raj Deepak Singh BE, MBA (Finance), Nandish Patel BCOM, Dipesh Dedhia BCOM, MBA (Finance), Siddhesh Jain MBA (Finance), Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report. It is also confirmed that above mentioned in the report in the preceding twelve months and do not serve as an officer, director or employee of the companies mentioned in the report.

Terms & conditions and other disclosures:

ICICI Securities Limited (ICICI Securities) is a full-service, integrated investment banking and is, inter alia, engaged in the business of stock brokering and distribution of financial products.

ICICI Securities is Sebi registered stock broker, merchant banker, investment adviser, portfolio manager and Research Analyst. ICICI Securities is registered with Insurance Regulatory Development Authority of India Limited (IRDAI) as a composite corporate agent and with PFRDA as a Point of Presence. ICICI Securities Limited Research Analyst SEBI Registration Number – INH000000990. ICICI Securities Limited SEBI Registration is INZ000183631 for stock broker. ICICI Securities is a subsidiary of ICICI Bank which is India's largest private sector bank and has its various subsidiaries engaged in businesses of housing finance, asset management, life insurance, general insurance, venture capital fund management, etc. ("associates"), the details in respect of which are available on www.icicibank.com.

ICICI Securities is one of the leading merchant bankers/ underwriters of securities and participate in virtually all securities trading markets in India. We and our associates might have investment banking and other business relationship with a significant percentage of companies covered by our Investment Research Department. ICICI Securities generally prohibits its analysts, persons reporting to analysts and their relatives from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover.

Recommendation in reports based on technical and derivative analysis centre on studying charts of a stock's price movement, outstanding positions, trading volume etc as opposed to focusing on a company's fundamentals and, as such, may not match with the recommendation in fundamental reports. Investors may visit icicidirect.com to view the Fundamental and Technical Research Reports.

Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein.

ICICI Securities Limited has two independent equity research groups: Institutional Research and Retail Research. This report has been prepared by the Retail Research. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the Institutional Research.

The information and opinions in this report have been prepared by ICICI Securities and are subject to change without any notice. The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of ICICI Securities. While we would endeavour to update the information herein on a reasonable basis, ICICI Securities is under no obligation to update or keep the information current. Also, there may be regulatory, compliance or other reasons that may prevent ICICI Securities from doing so. Non-rated securities indicate that ratio on a reinformation current. Also, there may be regulatory, compliance or other reasons that may prevent ICICI Securities from doing so. Non-rated securities in compliance with applicable regulations and/or ICICI Securities policies, in circumstances where ICICI Securities might be acting in an advisory capacity to this company, or in certain other circumstances.

This report is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed. This report and information content in solely for informational purpose and shall not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Though disseminated to all the customers simultaneously, not all customers may receive this report and the same time. ICICI Securities will not treat recipients as customers by virtue of their receiving this report. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. The recipient should independently evaluate the investment risks. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. ICICI Securities accepts no liabilities whatsoever for any loss or damage of any kind arising out of the use of this report. Past performance is not necessarily a guide to future performance without notice.

ICICI Securities or its associates might have managed or co-managed public offering of securities for the subject company or might have been mandated by the subject company for any other assignment in the past twelve months.

ICICI Securities or its associates might have received any compensation from the companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or co-managing public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory service in a merger or specific transaction.

ICICI Securities encourages independence in research report preparation and strives to minimize conflict in preparation of research report. ICICI Securities or its analysts did not receive any compensation or other benefits from the companies mentioned in the report or third party in connection with preparation of the research report. Accordingly, neither ICICI Securities nor Research Analysts and their relatives have any material conflict of interest at the time of publication of this report.

Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

ICICI Securities or its subsidiaries collectively or Research Analysts or their relatives do not own 1% or more of the equity securities of the Company mentioned in the report as of the last day of the month preceding the publication of the research report.

Since associates of ICICI Securities are engaged in various financial service businesses, they might have financial interests or beneficial ownership in various companies including the subject company/companies mentioned in this report.

ICICI Securities may have issued other reports that are inconsistent with and reach different conclusion from the information presented in this report.

Neither the Research Analysts nor ICICI Securities have been engaged in market making activity for the companies mentioned in the report.

We submit that no material disciplinary action has been taken on ICICI Securities by any Regulatory Authority impacting Equity Research Analysis activities.

This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject ICICI Securities and affiliates to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction.