

IPCA Laboratories

BSE SENSEX S&P CNX 60,131 17,769



Bloomberg	IPCA IN
Equity Shares (m)	254
M.Cap.(INRb)/(USDb)	188 / 2.3
52-Week Range (INR)	1035 / 740
1, 6, 12 Rel. Per (%)	-10/-21/-31
12M Avg Val (INR M)	286

Financials & Valuations (INR b)

V/E March	FY23E	FY24E	EV2EE
Y/E March	FTZ3E	F1Z4E	FY25E
Sales	61.7	76.4	94.2
EBITDA	9.9	11.9	16.6
Adjusted PAT	5.7	6.7	9.1
EBIT Margin (%)	11.8	11.4	13.5
Cons. Adj EPS (INR)	22.3	26.4	35.9
EPS Gr. (%)	-38.7	18.6	35.6
BV/Sh. (INR)	233.2	255.7	286.2
Ratios			
Net D-E	0.0	0.1	0.1
RoE (%)	9.9	10.8	13.2
RoCE (%)	9.1	9.9	12.2
Payout (%)	37.2	28.6	30.3
Valuation			
P/E (x)	33.2	28.0	20.6
EV/EBITDA (x)	19.2	15.9	11.4
Div. Yield (%)	1.0	1.0	1.5
FCF Yield (%)	0.7	-7.1	2.7
EV/Sales (x)	3.1	2.5	2.0

Shareholding pattern (%)

As On	Mar-23	Dec-22	Mar-22
Promoter	46.3	46.3	46.3
DII	34.1	33.7	32.9
FII	10.6	10.8	11.0
Others	9.1	9.2	9.8

FII Includes depository receipts

Stock's performance (one-year)



CMP: INR741 TP: INR760 (+3%) Downgrade to Neutral

Risk-reward less favorable toward acquisition

We attended the analyst/investor call hosted by IPCA Laboratories (IPCA) regarding the Unichem Lab (Unichem) acquisition.

- The acquisition would enable IPCA's re-entry into the US generics market and aid synergy through cross-selling the portfolio in the export market.
- However, we believe that increased competition in the oral solids US generics market and no USFDA inspections at Unichem sites since Feb'20 put the outlook for the US generics business at risk.
- We cut our FY24/FY25 EPS estimates by 11.7%/5% to factor in the Unichem acquisition and a subsequent reduction in other income.
- We also reduce the PE multiple to 21x (from 24x) due to the utilization of capital toward the high-gestation/low-return generics business and expensive valuations. Accordingly, we arrive at a TP of INR760. We downgrade IPCA to Neutral on limited upside from current levels.

Key highlights

- IPCA indicated a revenue target of INR18b and EBITDA of INR3b (16.6% margin) over the next two years from the Unichem acquisition.
- IPCA would work on new launches (~10 ANDAs to be launched over next 12-15 months), improving traction in existing products, enhancing operational efficiencies and gaining synergy benefits to improve the sales/profitability outlook in the next two years. Lower R&D spending would also aid margins.
- The peak sales from the current Unichem gross block would be INR27-28b.
- A shift from the GST rebate process to the GST refund could unlock INR2.5b in Unichem. Further, it has a land parcel at Jogeshwari, Mumbai, which can also be monetized.
- The transaction is expected to be completed in 4-6 months. IPCA does not plan to increase its stake in Unichem after the open offer.
- Unichem has 76 ANDA filings, with 54 approvals and ~44 products in the market. Top 10 products account for about 70-75% of current business.
- Unichem has filed 78 DMFs till date.
- The current capacity utilization of Unichem's Goa II site is about 20-30%. IPCA's Pithampur/Pipariya sites are at 30% capacity utilization.
- The last USFDA inspection at Unichem's sites was conducted in Feb'20.

Enhanced efforts required to improve profitability of Unichem

- Considering the GST refund of INR2.5b and divestment of non-core assets (Jogeshwari land worth ~INR5b), the EV would be INR24b and FY25E EV/EBITDA would be 8x (on INR3b EBITDA guidance).
- While Unichem would add capacity for formulation/API for IPCA, the return ratios would be in check at the consolidated level due to a gradual improvement in Unichem's profitability. Given an operational loss of INR600m in 9MFY23, considerable efforts are needed toward the product pipeline and cost management.
- Given that Unichem sites were inspected by USFDA in FY20, regulatory risk is high.

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Downgrade to Neutral

We cut our FY24/FY25 EPS estimates by 11.7%/5% to factor in Unichem's operations and a reduction in other income due to the use of cash to fund the Unichem acquisition.

We reduce the PE multiple from 24x to 21x 12M forward earnings to factor in capital allocation toward the low-ROCE generics business (compared to branded generics business) and expensive valuation. Accordingly, we arrive at a TP of INR760 (INR940 earlier). We downgrade IPCA to Neutral as the current valuation adequately factors in the earnings upside.

Exhibit 1: IPCA's past acquisitions

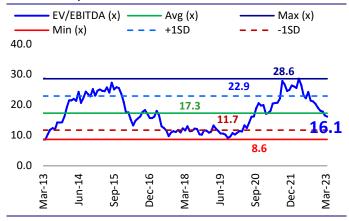
Subsidiary	Relationship	Stake	Amount paid (INR m)	Acquisition Year	Sales FY22 (INR m)	PAT FY22 (INR m)	Comment
Lyka Labs Ltd. (w.e.f 24th November 2021)	Associate	31%	979	FY22	1,836	390	IPCA made inroads into manufacturing of injectables, lyophilized injectables and topical formulations through Lyka. Sales/EBITDA in FY22 was INR1.8b/INR1b
Ramdev Chemical Pvt. Ltd.	Subsidiary	100%	1,085	FY20	485	-106	IPCA got API/intermediates manufacturing unit with this acquisition. Sales/EBITDA in FY19 was INR759m/INR92m
Bayshore Pharmaceuticals LLC	Subsidiary	100%	730	80% stake in FY19 and 20% stake in FY22	1,560	-179	Bayshore would commercialise IPCA's generics products in the US market. Sales in FY17 was INR458m
Pisgah Labs	Subsidiary	100%	695	FY18	59	-148	 CDMO for APIs and intermediates. Sales/EBITDA in FY17 was INR188m/INR74m
Krebs Biochemicals & Industries Ltd.	Associate	50%		FY15			Contract manufacturing and develops products for sale in global markets.
Avik Pharmaceutical Ltd.	JV	50%	65	FY14			Avik is manufacturing APIs, primarily Cortico Steroids and Hormones since 1980.
Cum. Investment till date			3,554				

Source: Company, MOFSL

Exhibit 2: P/E ratio chart



Exhibit 3: EV/EBITDA ratio chart



Source: MOFSL, Company, Bloomberg

Exhibit 4: Unichem Laboratories P&L snapshot

Y/E March (INR m)	FY20	FY21	FY22	9MFY23
Total Revenue	11,037	12351	12,698	9,409
YoY Growth %		11.9	2.8	4.6
Gross Profit	7,165.3	8557.2	8,539.6	5,781
Gross Margin %	64.9	69.3	67.3	61.4
EBITDA	-508	910	800	-603
YoY Growth %		-279.1	-12.1	NA
Margin %	-4.6	7.4	6.3	-6.4
Depreciation	817	844	912	838
Finance Cost	79	51	61	118
Other income	913	502	475	334
Profit/(loss) before tax	-482	515	220	-1,292
YoY Growth %		-206.8	-57.3	NA
Margin %	-4.4	4.2	1.7	-13.7
Profit/(loss) after tax	-602	343	331	-1,580
YoY Growth %		157.0	-3.5	NA
Margin %	-5.5	2.8	2.6	-16.8
R&D	1,564	1,127	1,299	800
R&D as % of revenue	14.2	9.1	10.2	8.5

Source: Company, MOFSL

Exhibit 5: Unichem Laboratories Balance sheet snapshot - (INR m)

Consolidated - Balance Sheet	FY19	FY20	FY21	FY22	1HFY23
Equity Share Capital	141	141	141	141	141
Total Reserves	26,058	25,173	25,428	26,043	25,304
Net Worth	26,199	25,314	25,568	26,184	25,445
Total Loans	1,997	2,065	1,191	3,492	3,448
Capital Employed	28,104	27,349	26,757	29,632	28,854
Gross Block	9,784	11,007	11,798	13,674	16,684
Less: Accum. Deprn.	1,700	2,326	2,974	3,789	4,319
Net Fixed Assets	8,084	8,681	8,824	9,885	12,365
Capital WIP	924	3,305	5,675	4,938	2,105
Total Investments	9,263	5,499	3,920	2,639	1,719
Curr. Assets, Loans&Adv.	13,043	13,918	12,683	15,667	15,364
Inventory	3,387	3,965	5,383	6,002	5,909
Account Receivables	4,361	3,901	2,503	4,954	4,331
Cash and Bank Balance	2,010	2,338	825	1,141	3,386
Loans and Advances	3,286	3,713	3,972	3,570	1,738
Curr. Liability & Prov.	3,226	4,069	4,361	3,512	2,699
Account Payables	2,384	2,991	3,080	2,153	1,592
Other Current Liabilities	561	738	796	778	938
Provisions	280	340	485	582	169
Net Current Assets	9,818	9,849	8,322	12,155	12,665
Appl. of Funds	28,104	27,349	26,757	29,632	28,854

Source: Company, MOFSL

Exhibit 6: Unichem derives major revenue from exports

Geographical split (INR m)	FY20	FY21	FY22
Exports	10,204	11,529	12,067
Growth YoY (%)		13.0	4.7
US	6,377	7,076	7,343
Growth YoY (%)		11.0	3.8
Ex-US	3,827	4,452	4,724
Growth YoY (%)		16.3	6.1
India	292	371	413
Growth YoY (%)		26.9	11.3

Source: Company, MOFSL

Exhibit 7: Formulations contributed 88% of FY22 revenue

Segment Split (INR m)	FY20	FY21	FY22
Formulations	9,358	10,526	10,969
Growth YoY (%)		12.5	4.2
API	1,138	1,373	1,511
Growth YoY (%)		20.7	10.1

Source: Company, MOFSL

Exhibit 8: Unichem facilities

Facility.	Capac	ity Mn units/An	num
Facility	Tablets	Capsule	Dry Syrup
Goa	7,000	200	
Baddi	3,708	335	6.7
Ghaziabad	2,750	250	

Source: Company, MOFSL

Exhibit 9: ANDA approvals over past 24M

ANDA Approved	Approval timeline	No of Competitor
Baclofen	Mar'23	5+
Ranolazine	Mar'23	5+
Phenytoin Sodium	Oct'22	5
Carbamazepine	Aug'22	5+
Guanfacine Hydrochloride	Mar'21	5+
Zonisamide	Jan'21	5+
Atenolol; Chlorthalidone	Nov'20	5+
Tolterodine Tartrate	Aug'20	5+
Cyclobenzaprine Hydrochloride	Jul'20	5+
Amiodarone Hydrochloride	Jul'20	5+

Source: Company, MOFSL

Exhibit 10: USFDA inspection history of Unichem

Sr No	Plant	Inspection End Date	Classification
1	Roha	Feb'20	NAI
2	Goa	Jan'20	VAI
3	Kolhapur	Sept'19	NAI
4	Roha	Sept'19	NAI
5	Pithampur	Sept'19	NAI
6	Ghaziabad	Aug'19	VAI
7	Goa	Jul'19	VAI
8	Ghaziabad	Mar'19	NAI

Source: Company, MOFSL

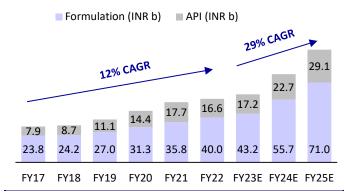
Exhibit 11: Import alert restricted US business from IPCA's sites

Sr No	Site	Date	Inspection Conclusion
1	Ratlam	Jan'15	Import Alert
2	Silvassa	Mar'15	Import Alert
3	Pithampur	Mar'15	Import Alert

Source: Company, MOFSL

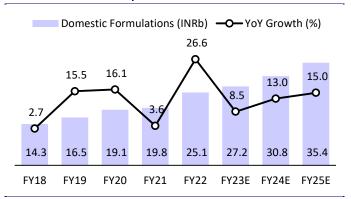
Story in charts

Exhibit 12: Total sales to see 29% CAGR over FY23-25



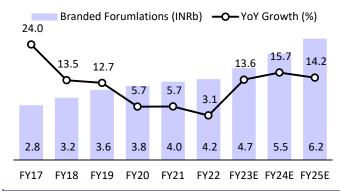
Source: Company, MOFSL

Exhibit 13: DF sales to post 15% CAGR over FY23-25



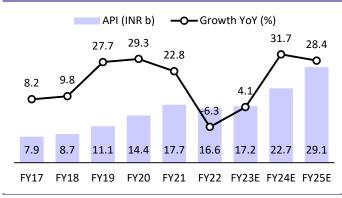
Source: Company, MOFSL

Exhibit 14: BF sales to record 15% CAGR over FY23-25



Source: Company, MOFSL

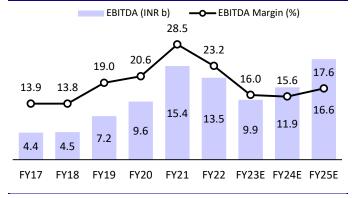
Exhibit 15: API sales to clock 16% CAGR over FY23-25



Source: Company, MOFSL

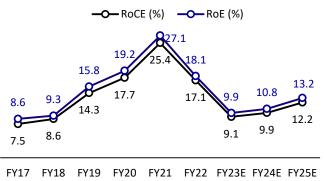
Source: Company, MOFSL

Exhibit 16: Expect margin to decrease in FY24



Source: Company, MOFSL

Exhibit 17: Return ratios to remain in check



Financials and valuations

Income Statement										(INR m)
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Net Revenues	28,850	32,106	32,836	37,732	46,487	54,200	58,298	61,715	76,395	94,227
Change (%)	-8.2	11.3	2.3	14.9	23.2	16.6	7.6	5.9	23.8	23.3
EBITDA	3,417	4,448	4,547	7,170	9,580	15,444	13,509	9,874	11,918	16,584
Margin (%)	11.8	13.9	13.8	19.0	20.6	28.5	23.2	16.0	15.6	17.6
Depreciation	1,722	1,730	1,777	1,824	2,105	2,092	2,324	2,564	3,176	3,901
EBIT	1,695	2,718	2,770	5,346	7,475	13,352	11,184	7,310	8,742	12,683
Int. and Finance Charges	316	241	240	189	165	90	77	384	256	457
Other Income - Rec.	169	226	418	483	578	457	666	1,200	1,050	550
PBT before EO Expense	1,548	2,703	2,948	5,640	7,888	13,719	11,773	8,126	9,536	12,775
EO Expense/(Income)	395	0	0	157	445	-171	416	419	0	0
PBT after EO Expense	1,153	2,703	2,948	5,483	7,442	13,890	11,357	7,708	9,536	12,775
Current Tax	228	533	614	1,218	1,406	2,487	2,070	2,357	2,527	3,322
Deferred Tax	-42	142	-102	-176	-53	-85	178	163	191	256
Tax	186	675	511	1,042	1,353	2,401	2,248	2,519	2,718	3,577
Tax Rate (%)	12.0	25.0	17.3	18.5	17.2	17.5	19.1	31.0	28.5	28.0
Reported PAT	967	2,028	2,436	4,441	6,090	11,488	9,110	5,189	6,817	9,197
Less: Minority Interest	35	0	42	18	78	91	269	190	110	100
Net Profit	933	2,028	2,394	4,423	6,012	11,398	8,841	4,999	6,707	9,097
Adj PAT	1,328	2,028	2,394	4,580	6,485	11,255	9,218	5,655	6,708	9,097
Adj PAT growth (%)	-46.9	52.8	18.1	91.3	41.6	73.6	-18.1	-38.7	18.6	35.6

Balance Sheet										(INR m)
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Equity Share Capital	252	252	252	252	252	254	254	254	254	254
Total Reserves	22,340	24,300	26,633	30,971	35,903	46,763	54,666	58,915	64,617	72,351
Net Worth	22,592	24,553	26,886	31,224	36,275	47,017	54,920	59,168	64,871	72,604
Deferred liabilities	1565	1705	1580	1457	1398	1316	1506	1668	1859	2114
Total Loans	6,691	5,290	4,731	3,505	4,328	1,988	8,027	7,631	9,414	8,879
Capital Employed	30,848	31,548	33,196	36,342	42,137	50,466	65,222	68,468	76,143	83,598
Gross Block	22,121	23,508	24,969	26,657	30,268	31,872	37,647	41,147	60,747	62,247
Less: Accum. Deprn.	1,628	3,350	5,127	6,951	9,056	11,148	13,472	16,036	19,212	23,113
Net Fixed Assets	20,493	20,158	19,842	19,706	21,212	20,724	24,175	25,111	41,535	39,134
Capital WIP	936	621	418	361	708	2,348	3,064	3,064	1,564	1,564
Investments	258	1,358	869	1,204	2,719	4,711	9,892	9,892	1,392	1,392
Curr. Assets	17,230	17,458	20,027	24,217	27,939	32,881	39,237	41,053	44,838	57,771
Inventory	8,374	8,822	8,806	10,725	13,231	15,948	18,580	19,771	24,070	29,172
Account Receivables	4,459	5,002	6,023	6,815	8,952	8,118	9,108	10,483	13,605	17,296
Cash and Bank Balance	1,755	359	1,506	2,823	1,809	3,651	6,407	5,219	885	3,558
Loans & Advances	2,641	3,276	3,693	3,854	3,947	5,164	5,143	5,580	6,279	7,745
Curr. Liability & Prov.	8,069	8,047	7,960	9,147	10,441	10,198	11,147	10,652	13,186	16,264
Account Payables	7,245	7,141	7,029	8,190	9,182	8,781	9,704	9,469	11,721	14,457
Provisions	824	906	931	957	1,259	1,417	1,443	1,184	1,465	1,807
Net Current Assets	9,160	9,410	12,068	15,070	17,498	22,682	28,091	30,401	31,652	41,507
Appl. of Funds	30,848	31,548	33,196	36,342	42,137	50,466	65,222	68,468	76,143	83,598

E: MOSL Estimates

Financials and valuations

Ratios										
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
EPS (INR)	5.2	8.0	9.4	18.1	25.6	44.4	36.3	22.3	26.4	35.9
Cash EPS	10.5	14.9	16.5	24.8	32.2	53.2	44.0	29.8	39.0	51.2
BV/Share	89.5	97.3	106.5	123.7	143.2	185.3	216.5	233.2	255.7	286.2
DPS	0.0	0.5	0.5	0.5	3.6	6.8	6.6	7.7	7.8	11.1
Payout (%)	0.0	6.2	5.2	2.8	14.8	14.9	18.3	37.2	28.6	30.3
Valuation (x)										
P/E	141.4	92.6	78.4	41.0	28.9	16.7	20.4	33.2	28.0	20.6
P/BV	8.3	7.6	6.9	6.0	5.2	4.0	3.4	3.2	2.9	2.6
EV/Sales	6.6	5.9	5.8	5.0	4.1	3.5	3.2	3.1	2.5	2.0
EV/EBITDA	55.4	42.6	41.6	26.4	19.8	12.3	14.0	19.2	15.9	11.4
Dividend Yield (%)	0.0	0.1	0.1	0.1	0.5	0.9	0.9	1.0	1.0	1.5
Return Ratios (%)		***	**-							
RoE	5.9	8.6	9.3	15.8	19.2	27.1	18.1	9.9	10.8	13.2
RoCE	5.5	7.5	8.6	14.3	17.7	25.4	17.1	9.1	9.9	12.2
RoIC	5.3	7.1	7.7	14.0	18.0	28.7	21.1	10.5	10.2	12.2
Working Capital Ratios										
Fixed Asset Turnover (x)	1.5	1.6	1.6	1.9	2.3	2.6	2.6	2.5	2.3	2.3
Debtor (Days)	56	56	66	65	70	54	56	62	65	67
Inventory (Days)	106	100	98	104	104	107	116	117	115	113
Working Capital Turnover (Days)	94	103	117	118	123	128	136	149	147	147
Leverage Ratio (x)										
Interest Cover Ratio	5.4	11.3	11.5	28.3	45.3	147.7	145.4	19.1	34.2	27.7
Debt/Equity	0.2	0.2	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1
Cash Flow Statement Y/E March	FY16	FY17	FY18	FY19	EVOO					
Oper. Profit/(Loss) before Tax				1113	FY20	FY21	FY22	FY23E	FY24E	FY25E
	3,417	4,448	4,547	7,170	9,580	15,444	FY22 13,509	FY23E 9,874	FY24E 11,918	
Interest/Dividends Recd.	3,417 169	4,448 226								16,584
• • • • • • • • • • • • • • • • • • • •			4,547	7,170	9,580	15,444	13,509	9,874	11,918	16,584 550
Interest/Dividends Recd.	169	226	4,547 418	7,170 483	9,580 578	15,444 457	13,509 666	9,874 1,200	11,918 1,050	16,584 550 -3,322
Interest/Dividends Recd. Direct Taxes Paid	169 -364	226 -535	4,547 418 -636	7,170 483 -1,165	9,580 578 -1,412	15,444 457 -2,484	13,509 666 -2,058	9,874 1,200 -2,357	11,918 1,050 -2,527	16,584 550 -3,322 -7,182
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC	169 -364 2,622	226 -535 -1,647	4,547 418 -636 -1,510	7,170 483 -1,165 -1,686	9,580 578 -1,412 -3,442	15,444 457 -2,484 -3,343	13,509 666 -2,058 -2,652	9,874 1,200 -2,357 -3,498	11,918 1,050 -2,527 -5,585	16,584 550 -3,322 -7,182 6,631
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations	169 -364 2,622 5,844	226 -535 -1,647 2,491	4,547 418 -636 -1,510 2,819	7,170 483 -1,165 -1,686 4,803	9,580 578 -1,412 -3,442 5,304	15,444 457 -2,484 -3,343 10,075	13,509 666 -2,058 -2,652 9,464	9,874 1,200 -2,357 -3,498 5,220	11,918 1,050 -2,527 -5,585 4,855	16,584 550 -3,322 -7,182 6,631 0
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income)	169 -364 2,622 5,844 395	226 -535 -1,647 2,491 0	4,547 418 -636 -1,510 2,819 0	7,170 483 -1,165 -1,686 4,803 157	9,580 578 -1,412 -3,442 5,304 445	15,444 457 -2,484 -3,343 10,075 -171	13,509 666 -2,058 -2,652 9,464 416	9,874 1,200 -2,357 -3,498 5,220 419	11,918 1,050 -2,527 -5,585 4,855	16,584 550 -3,322 -7,182 6,631 0 6,631
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp.	169 -364 2,622 5,844 395 7,087	226 -535 -1,647 2,491 0 2,819	4,547 418 -636 -1,510 2,819 0 3,411	7,170 483 -1,165 -1,686 4,803 157 5,010	9,580 578 -1,412 -3,442 5,304 445 5,643	15,444 457 -2,484 -3,343 10,075 -171 10,246	13,509 666 -2,058 -2,652 9,464 416 9,048	9,874 1,200 -2,357 -3,498 5,220 419 4,801	11,918 1,050 -2,527 -5,585 4,855 0 4,855	16,584 550 -3,322 -7,182 6,631 0 6,631 -1,500
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA	169 -364 2,622 5,844 395 7,087 5,079	226 -535 -1,647 2,491 0 2,819 -1,072	4,547 418 -636 -1,510 2,819 0 3,411 -1,258	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100	16,584 550 -3,322 -7,182 6,631
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow	169 -364 2,622 5,844 395 7,087 5,079 12,165	226 -535 -1,647 2,491 0 2,819 -1,072 1,747	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245	16,584 550 -3,322 -7,182 6,631 0 6,631 -1,500 5,131
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500	16,584 550 -3,322 -7,182 6,631 0 6,631 -1,500 5,131
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500	16,584 550 -3,322 -7,182 6,631 0 6,631 -1,500 5,131 0
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600	16,584 550 -3,322 -7,182 6,631 0 6,631 -1,500 5,131 0 0 -1,500
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 - 5,236	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500 0	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 0 -1,500 0
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500 0 -1,165	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 0 -1,500 0
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt Interest Paid	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594 -316	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401 -241	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0 -560 -240	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0 -1,070	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0 804 -165	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331 -90	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663 -77	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500 0 -1,165 -384	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782 -256	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 0 -1,500 0 -535 -457 -2,790
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt Interest Paid Dividend Paid	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594 -316 0	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401 -241 -126	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0 -560 -240 -126	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0 -1,070 -189 -126	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0 804 -165 -902	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331 -90 -1,710	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663 -77 -1,670	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500 0 -1,165 -384 -1,933	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782 -256 -1,950	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 -1,500 0 -1,500 0 -535 -457 -2,790 -2,482
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt Interest Paid Dividend Paid CF from Fin. Activity	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594 -316 0 -4,615	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401 -241 -126 -1,591	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0 -560 -240 -126 -1,304	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0 -1,070 -189 -126 -1,832	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0 804 -165 -902 -1,305	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331 -90 -1,710 -3,169	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663 -77 -1,670 5,222	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500 0 -1,165 -384 -1,933 -2,488	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782 -256 -1,950 475	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 0 -1,500 0 -535 -457 -2,790 -2,482 2,649
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594 -316 0 -4,615 288	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401 -241 -126 -1,591 -260	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0 -560 -240 -126 -1,304 753	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0 -1,070 -189 -126 -1,832 1,528	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0 804 -165 -902 -1,305 -758	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331 -90 -1,710 -3,169 1,841	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663 -77 -1,670 5,222 2,598	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 1,301 0 0 -3,500 0 -1,165 -384 -1,933 -2,488 -1,187	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782 -256 -1,950 475 -4,270	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 0 -1,500 0 -535 -457
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash Add: Beginning Balance	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594 -316 0 -4,615 288 1,037	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401 -241 -126 -1,591 -260 1,689	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0 -560 -240 -126 -1,304 753 1,428	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0 -1,070 -189 -126 -1,832 1,528 2,181	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0 804 -165 -902 -1,305 -758 3,709	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331 -90 -1,710 -3,169 1,841 2,954	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663 -77 -1,670 5,222 2,598 4,795	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 0 -3,500 0 -1,165 -384 -1,933 -2,488 -1,187 7,393	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782 -256 -1,950 475 -4,270 6,206	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 0 -1,500 0 -535 -457 -2,790 -2,482 2,649 1,870
Interest/Dividends Recd. Direct Taxes Paid (Inc)/Dec in WC CF from Operations EO Expense / (Income) CF from Oper. incl EO Exp. (inc)/dec in FA Free Cash Flow (Pur)/Sale of Investments Others CF from Investments Issue of shares (Inc)/Dec in Debt Interest Paid Dividend Paid CF from Fin. Activity Inc/Dec of Cash Add: Beginning Balance Forex/ Business acquisition	169 -364 2,622 5,844 395 7,087 5,079 12,165 -96 -7,166 -2,183 0 -1,594 -316 0 -4,615 288 1,037 364	226 -535 -1,647 2,491 0 2,819 -1,072 1,747 -1,100 684 -1,488 0 -1,401 -241 -126 -1,591 -260 1,689	4,547 418 -636 -1,510 2,819 0 3,411 -1,258 2,154 489 -586 -1,354 0 -560 -240 -126 -1,304 753 1,428 0	7,170 483 -1,165 -1,686 4,803 157 5,010 -1,632 3,379 -336 317 -1,651 0 -1,070 -189 -126 -1,832 1,528 2,181 0	9,580 578 -1,412 -3,442 5,304 445 5,643 -3,958 1,685 -1,515 376 -5,097 0 804 -165 -902 -1,305 -758 3,709	15,444 457 -2,484 -3,343 10,075 -171 10,246 -3,244 7,002 -1,992 0 -5,236 1 -2,331 -90 -1,710 -3,169 1,841 2,954	13,509 666 -2,058 -2,652 9,464 416 9,048 -6,491 2,557 -5,181 0 -11,672 0 6,663 -77 -1,670 5,222 2,598 4,795 0	9,874 1,200 -2,357 -3,498 5,220 419 4,801 -3,500 0 -3,500 0 -1,165 -384 -1,933 -2,488 -1,187 7,393	11,918 1,050 -2,527 -5,585 4,855 0 4,855 -18,100 -13,245 8,500 0 -9,600 0 1,782 -256 -1,950 475 -4,270 6,206 0	16,584 550 -3,322 -7,182 6,631 -1,500 5,131 0 -1,500 0 -1,500 -535 -457 -2,790 -2,482 2,649 1,870 0

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Explanation of Investment Rating	
Investment Rating	Expected return (over 12-month)
BUY	>=15%
SELL	<-10%
NEUTRAL	< - 10 % to 15%
UNDER REVIEW	Rating may undergo a change
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend. Disclosures

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