Motilal Oswal

Idea Cellular

BSE SENSEX	S&P CNX
35,160	10,739
Bloomberg	IDEA IN
Equity Shares (m)	3600.5
M.Cap.(INRb)/(USDb)	338.6/5.2
52-Week Range (INR)	124 / 72
1, 6, 12 Rel. Per (%)	-13/-10/-8
Avg Val, INRm	2034
Free float (%)	57.6

Financials & Valuations (INR b)										
Y/E Mar	2018	2019E	2020E							
Net Sales	282.8	248.8	282.4							
EBITDA	60.5	51.9	74.8							
Adj PAT	-41.7	-53.8	-45.7							
EPS (INR)	-9.6	-12.3	-10.5							
Gr. (%)	762.5	29.0	-15.1							
BV/Sh (INR)	62.5	50.2	40.3							
RoE (%)	-16.0	-21.9	-23.2							
RoCE (%)	-1.8	-2.9	-1.7							
P/E (x)	-7.2	-5.6	-6.6							
P/BV (x)	1.1	1.4	1.7							
EV/EBITDA (x)	13.4	16.2	11.3							

Estimate change	$ \longleftrightarrow $
TP change	Ļ
Rating change	

TP: INR85 (+24%) CMP: INR69

Buy

ARPU downtrading hurts earnings; merger synergies to support in FY19 One-offs provide solace to EBITDA: Consol. revenue declined 6% QoQ to INR61.4b (2% miss), led by ARPU downtrading (-8% QoQ to INR105). However, consol. EBITDA rose 18% QoQ to INR14.5b (39% beat), driven by a decline in opex cost (incl. INR4.4b provision reversal one-offs). Excluding one-offs, EBITDA stood at INR10.1b (-18% QoQ). Net loss narrowed to INR9.6b (est. of INR15.8b), led by better-than-expected EBITDA. For FY18, revenue declined 21% YoY to INR282.8b (1% miss), while EBITDA fell 41% to INR60.5b (6% beat). Net loss widened to INR41.7b in FY18 (INR4b in FY17).

Concall highlights: 1) INR20b synergies are expected on day 1 of merger, primarily from rationalization of overlapping sites. 2) Merged company's 270k 2G sites and 175k 3G sites are easily upgradable to 4G. 3) Given equity infusion and sale of standalone and Indus towers, IDEA is adequately funded for the medium term.

Merger synergies raise hopes of a better FY19: We have cut IDEA's revenue by 4% for FY19/20E, but increased EBITDA by 4%, building in merger synergies and cost-optimization benefits. For the combined entity, we expect revenue/EBITDA to decline 13%/15% to INR555.4b/INR115.8b in FY19, without building in any merger synergies in the first year. However, considering management guidance of the company deriving INR35b of total INR84b synergy gains in FY19, EBITDA could grow to INR150.8 in FY19. In FY20, we expect 11%/62% combined revenue/EBITDA growth, building in 30% EBITDA margin on the back of synergy gains and operating leverage from a market recovery. Our key concern is on net debt, which could potentially balloon to INR1,200b in FY19, as high capex and settlement charges may offset equity infusion of ~INR280b.

Valuation view: We believe headwinds from APRU downtrading would continue for the next few quarters. However, merger synergies should aid in fighting competition. The stock is trading at EV/EBITDA of 13.7x/8.5x on combined entity EBITDA of FY19/20E. With a cut in our estimates, we reduce TP to INR85 (INR91 earlier), assigning 9x to FY20E combined EBITDA of INR188b (including merger synergies). Maintain Buy.

Consolidated - Quarterly E	arning Mo	odel			-					(INR m)		
Y/E March		FY	17			FY18				FY18	4Q	Est Var
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			FY18E	(%)
Revenue	94,866	93,002	86,627	81,261	81,665	74,655	65,096	61,373	3,55,758	2,82,789	62,383	-1.6
YoY Change (%)	7.9	7.0	-3.9	-14.3	-13.9	-19.7	-24.9	-24.5	12.7	-20.5	-23.2	
Total Expenditure	63,917	64,629	64,711	60,062	62,911	59 <i>,</i> 639	52,862	46,902	2,52,995	2,22,314	52,006	-9.8
EBITDA	30,949	28,374	21,916	21,199	18,754	15,016	12,234	14,471	1,02,763	60,475	10,377	39.4
Margins (%)	32.6	30.5	25.3	26.1	23.0	20.1	18.8	23.6	28.9	21.4	16.6	694bps
Depreciation	19,192	19,543	19,653	19,885	20,679	21,143	21,415	20,854	78,272	84,091	23,326	
Share in Profits from Asso.	1,035	1,057	1,144	983	818	843	818	745	4,218	3,224	834	
Net Finance Costs	9,429	8,726	9,494	9,366	11,539	11,829	11,490	9,742	37,342	44,600	11,408	
PBT	3,363	1,161	-6,087	-7,069	-12,646	-17,113	-19,853	-15,380	-8,633	-64,992	-23,522	-34.6
Тах	1,158	247	-2,248	-3,792	-4,497	-6,047	-7,008	-5,758	-4,636	-23,310	-7,762	-25.8
Rate (%)	34.4	21.3	36.9	53.6	35.6	35.3	35.3	37.4	53.7	35.9	33.0	
Reported PAT	2,205	914	-3,839	-3,277	-8,149	-11,066	-12,845	-9,622	-3,997	-41,682	-15,760	-38.9
YoY Change (%)	-74.2	-88.7	-150.2	-156.9	-469.6	-1,310.5	234.6	193.6	-117.3	942.8	380.9	
Margins (%)	2.3	1.0	-4.4	-4.0	-10.0	-14.8	-19.7	-15.7	-1.1	-14.7	-25.3	

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Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

Valuation and view

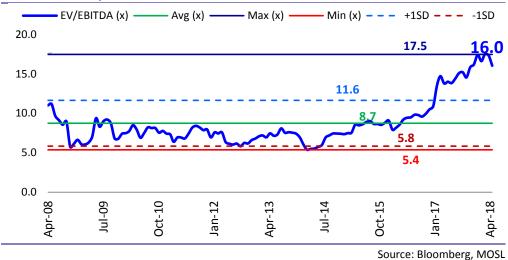
- Currently, the stock is trading at EV/EBITDA of 13.7x/8.5x on combined entity EBITDA of FY19/20E.
- Though ARPU is expected to remain under pressure, market recovery beyond the next 2-3 quarters should support growth.
- Subsequently, we have cut Idea's revenue estimate by 4% for FY19/20, but increased EBITDA estimate by 4% factoring in merger synergies and costoptimization benefits. Yet, the merged entity reporting may change our overall financial estimates.
- Given the cut in estimates, we have reduced our TP to INR85 (INR91 earlier), assigning 9x to combined EBITDA of INR188b for FY20E. Maintain **Buy.**
- We expect the combined entity's EBITDA margin to improve from 21% now to 30% by FY20 on the back of network optimization and cost synergies. This is still lower than Bharti's India wireless' 33% margin at a similar market share.

Exhibit 1: Valuation based on FY20E combined EBITDA

Methodology	Driver (INR b)	Multiple (x)	Fair Value (INR b)	Value/sh (INR)
FY20 EV/EBITDA	188	9	1,735	199
			990	114
			745	85
			8.7	
				69
				24
	01	3 , 1		FY20 EV/EBITDA 188 9 1,735 990 745

Source: MOSL, Company

Exhibit 2: Idea: 1-year forward EV/EBITDA band



	Announced	Approval stage	Year 1	Year 2	Year 3	Year 4	Comments
	FY17	FY18	FY19E	FY20E	FY21E	FY22E	
							 Factoring in 500-600bp market
Revenue	763.1	634.7	555.4	616.4	683.8	755.9	share dilution for Vodafone and
							Idea over FY17-21E
YoY Growth	-3%	-17%	-13%	11%	11%	11%	
EBITDA	219.1	135.7	115.9	154.1	205.1	241.9	 Building recovery from FY20E
EBITDA Margin	29%	21%	21%	25%	30%	32%	
YoY Growth	-12%	-38%	-15%	33%	33%	18%	
							 Opex synergy is 60% of INR140b
Synergy		0	0	33.6	50.4	67.2	total. Building 0% synergy in FY19
							and 80% synergy in 4th year - FY22
EBITDA (post synergy)	219.1	135.7	115.8	187.7	255.5	309.1	
EBITDA margin (post synergy)	29%	21%	21%	30%	37%	41%	
Net Debt	972.9	878.1	990.0	990.0	990.0	990.0	 Factoring debt reduction of INR78.5b due to tower sale in FY18
EV	1,574.8	1,479.9	1,591.9	1,591.9	1,591.9	1,591.9	
EV/EBITDA	7.2	10.9	13.7	8.5	6.2	5.2	 Value accretion only from FY20E
Net Debt to EBITDA	4.4	6.5	8.5	5.3	3.9	3.2	

Exhibit 3: Pro forma statement for Vodafone-Idea merged entity (INR b)

Source: MOSL, Company



4QFY18 Concall highlights

Key takeaways:

- Synergies of INR20b are expected on Day 1 of merger, primarily from rationalization of overlapping sites.
- Together, merged co.'s 270k 2G sites and 175k 3G sites are easily upgradable to 4G.
- Management has matched the peer offerings of INR149/199 price plans. However, it is not competing on the INR49/99 price points, although it is observing closely the traction for INR99 price plan.
- Given the equity infusion and sale of standalone and Indus towers, the company is adequately funded for the medium term.

4QFY18 and FY18 performance

- Revenue declined 5.8% QoQ, of which 1) 2.7% is on account of ARPU downtrading, 2) 2.2% is due lesser no. of days in 4Q and 3) 0.8% decline is due to a cut in international IUC.
- Network expenses included one-off of INR2b due to reversal of provision, while employee cost included INR1.4b provision reversal.
- License fees and spectrum charges included one-off of INR1b on account of actualization of provision made in the earlier period.
- EBITDA margins stood at 23.6%.
- Depreciation and amortization is lower primarily due to lesser no. of days in 4QFY18.
- Cut in IUC (domestic and international) had an impact of INR18.5b/5.3b on revenue/EBITDA for FY18.
- IDEA witnessed 15m broadband subs additions in FY18, with wireless broadband subscriber base reaching 39.8m. Wireless broadband penetration increased from 13% (FY17) to 20.5%

Idea's AGR market share dipped from 20.0% in CY16 to 19.5% in CY17. Its VLR subscriber market share improved from 19.4% (Feb-17) to 20.9% in Feb-18.

Idea Business Outlook

- Company's strategy for driving ARPU growth are:
 - > Selling unlimited bundled voice & data plans.
 - Selling attractive postpaid Nirvana plans with data rollover, phone security, etc.
 - Targeting low APRU customers (not opting for unlimited plans) with aim to upgrade these customers to INR125-150 ARPU levels.
- According to management, ~3m new 4G smartphones are being added to Idea's network every month.
- Company intends to launch Volte in a phased manner from May-18.
- Given the equity infusion and sale of standalone and Indus towers, company is adequately funded for the medium term.
- Management has matched the peer offerings of INR149/199 price plans. However, it is not competing on the INR49/99 price points, although it is observing closely the traction for INR99 price plan.
- Given the restructured debt on account of relief from increased tenure for deferred spectrum payment to 16 years, the principal debt servicing for next three years is only INR35b.

Merged company Business Outlook:

- Awaiting final leg of regulatory approval 1) FDI approval (expect by May-18) 2) Licensees of Vodafone to merge with Idea, expected to be completed by 1HCY18; Vodafone-Idea would operate as one company from 2HCY18. New management is expected to take charge from merger transaction completion date.
- Merged co has no need to surrender spectrum as the spectrum limits has been revised.
- Synergies of INR20b are expected on Day 1 of merger, primarily from rationalization of overlapping sites.
- Network consolidation will be a seamless process without any disruption and is expected to take ~18months for completion.
- Merged co. has 2G voice coverage & capacity of ~270k GSM sites and data capacities of ~23petabyte per day. Spectrum consolidation would further augment data capacities.
- Merged co is already sharing 49k sites under their active 4G/2G ICR sharing arrangement.
- No capex guidance has been given for the merged co. Management's focus is to avoid duplication of capex investment.
- Together, merged co's 270k 2G sites and 175k 3G sites are upgradable to 4G.
- Of the combined ~300k broadband sites, most of these are currently deployed at same place. However, redeployment of these sites to uncovered areas will help in increasing coverage.
- Of the ~400m subscriber base of the merged co., ~25% are broadband subscribers.
- No guidance has been provided for spectrum liberalization charges.

Industry:

- Industry AGR (Adjusted Gross Revenue) fell by nearly INR322b, 21.7% YoY in CY17
- ~400m subscribers have opted for either of the top 4 operators bundled plans.
 ~35% subs of the total subs have migrated to unlimited bundled plans and expect the same to increase to 50%.
- Low price plans have led to 127m broadband subscriber adds in CY17.

	-						
	4QFY17	3QFY18	4QFY18	ΥοΥ%	QoQ%	4QFY18E	v/s est (%)
Revenue	81,261	65,096	61,373	-24.5	-5.7	62,383	-1.6
Operating expenses	60,062	52,862	46,902	-21.9	-11.3	52,006	-9.8
EBITDA	21,199	12,234	14,471	-31.7	18.3	10,377	39.4
EBITDA margin (%)	26.1	18.8	23.6	-251bps	478bps	16.6	694bps
Depreciation and amortization	19,885	21,415	20,854	4.9	-2.6	23,326	-10.6
EBIT	1,314	-9,181	-6,383	-585.8	-30.5	-12,948	-50.7
EBIT margin (%)	1.6	-14.1	-10.4	-1202bps	370bps	-20.8	1036bps
Net Finance Costs	9,366	11,490	9,742	4.0	-15.2	11,408	-14.6
Share of Associates	983	818	745	-24.2	-8.9	834	-10.7
Profit before Tax	-7,069	-19,853	-15,380	117.6	-22.5	-23,522	-34.6
Тах	-3,792	-7,008	-5,758	51.8	-17.8	-7,762	-25.8
Tax rate (%)	62.3	36.8	39.3	-2296bps	253bps	34.2	513bps
Profit after Tax	-3,277	-12,845	-9,622	193.6	-25.1	-15,760	-38.9

Exhibit 4: Consolidated P&L (INR m)

Source: Company, MOSL

Exhibit 5: Key Operating Metrics (QoQ)

	4QFY17	3QFY18	4QFY18	ΥοΥ%	QoQ%	4QFY18E	v/s est (%)
Subscribers (m)	190	189	195	2.6%	3.2%	196	-0.8%
ARPU (INR/sub/month)	142	114	105	-26.1%	-7.9%	104	0.9%
Voice metrics							
Voice revenues (INR m)	59,747	47,144	44,238	-26%	-6.2%	44,910	-1.5%
MOU (min/sub/month)	412	509	577	40.0%	13.4%	534	8.0%
RPM ex VAS (INR/min)	0.26	0.17	0.13	-48.3%	-19.8%	0.15	-8.4%
Total Minutes (b mins)	231	283	330	42.8%	16.9%	308	7.2%
Voice ARPU	107	86	78	-27.1%	-9.3%	78	0.2%
Data metrics							
Data Revenues (INR m)	14,607	11,426	11,453	-21.6%	0.2%	10,653	7.5%
data share of net revenues	18.3%	18.0%	18.8%	0.5%	0.8%	17.8%	5.9%
non voice contribution	24.9%	25.3%	25.8%	0.9%	0.5%	25.2%	2.5%
Data Subs (m)	42.2	42.6	46.8	10.8%	9.8%	45	4.6%
as a % of overall subs	22.3%	22.6%	24.1%	1.8%	1.5%	22.8%	5.5%
Broadband subs (3g/4g) (m)	24.6	34.8	39.8	61.4%	14.5%		
as a % of data subs	13.0%	18.5%	20.5%	7.5%	2.0%		
as a % of overall subs	110	95	83	-24.5%	-12.6%	81	2.1%
Data ARPU (INR)	0.115	0.020	0.014	-87.8%	-30.0%	0.015	-6.7%
Data ARMB (INR)	957	4742	6065	533.8%	27.9%	5421	11.9%
Data usage/subs (MB)	1,27,014	5,71,301	8,18,085	544.1%	43.2%	7,10,192	15.2%
Data traffic (m MBs)	14,607	11,426	11,453	-21.6%	0.2%	10,653	7.5%

Source: MOSL, Company

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	FY18	FY19E	FY20E
Revenue (INR b)			
Old	284	259	293
Actual/New	283	249	282
Change (%)	-0.5	-3.8	-3.5
EBITDA (INR b)			
Old	57	50	72
Actual/New	60	52	75
Change (%)	6.4	4.1	3.5
EBITDA margin (%)			
Old	20.0	19.3	24.7
Actual/New	21.4	20.9	26.5
Change (bp)	139bps	159bps	179bps
Net Profit (INR b)			
Old	-47	-56	-43
Actual/New	-42	-54	-43
Change (%)	-12.0	-4.2	-0.2
EPS (INR)			
Old	-10.9	-12.9	-10.5
Actual/New	-9.6	-12.3	-10.5
Change (%)	-12.0	-4.3	-0.5

Exhibit 6: Summary of Estimate change

Source: MOSL, Company

Story in charts

Exhibit 7: Consol. revenue and EBITDA margin (INR b, %)

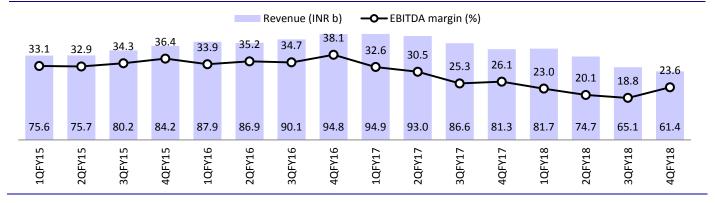
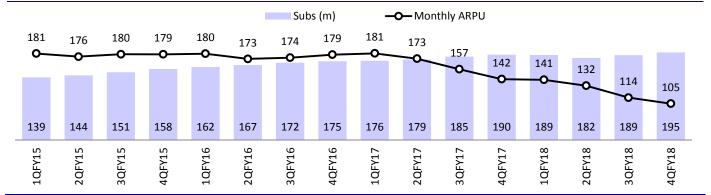
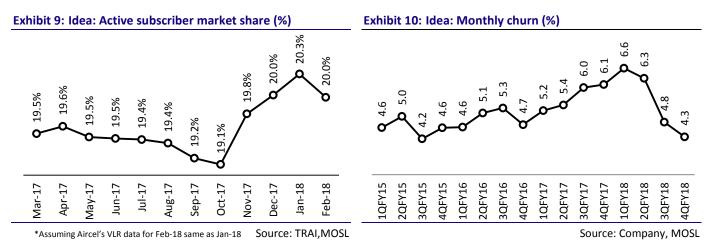


Exhibit 8: Subscribers and ARPU trend

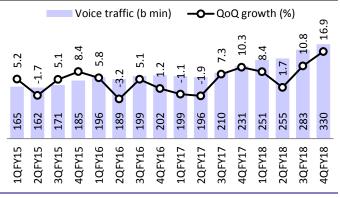




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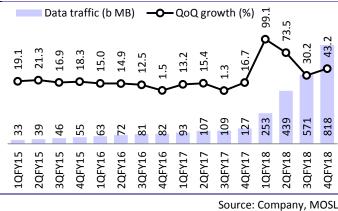
Idea Cellular

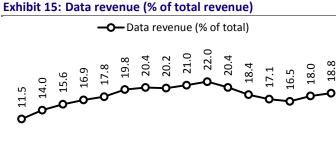
Exhibit 11: Voice traffic and QoQ growth



Source: Company, MOSL

Exhibit 13: Data traffic and QoQ growth

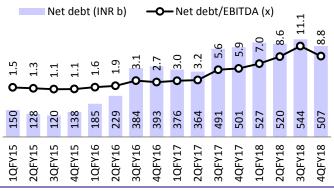




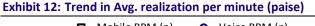
3QFY16 4QFY16 2QFY18 3QFY18 1QFY16 2QFY16 **3QFY17 1QFY17** 2QFY17 4QFY17 LQFY18 4QFY18 3QFY15 4QFY15 LQFY1 2QFY1

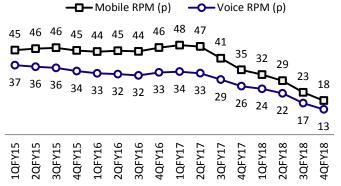
Source: Company, MOSL





Source: Company, MOSL





Source: Company, MOSL

Exhibit 14: Data revenue per MB (paise)

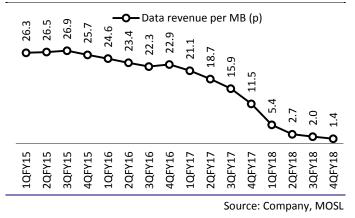
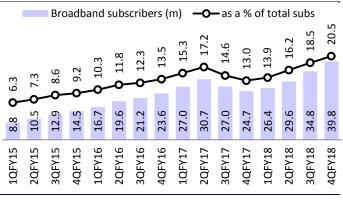
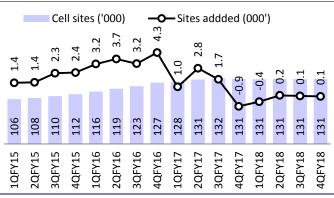


Exhibit 16: Broadband subscriber base ramp-up



Source: Company, MOSL

Exhibit 18: 2G cell site base and quarterly additions



Source: Company, MOSL

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Exhibit 19: Key Metrics (YoY)

	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E
Operating Metrics								
Subscribers (m)	122	136	158	175	190	195	203	206
ΥοΥ%		12%	16%	11%	8%	3%	4%	1%
Average Rev Per User (INR/month)	158	169	177	177	159	119	101	112
ΥοΥ%		7%	5%	0%	-10%	-25%	-15%	10%
Minutes of Use/Sub/Month	378	381	388	394	383	486	578	582
YoY%		1%	2%	1%	-3%	27%	19%	1%
Data usage/data sub/month (mb)	119	257	490	641	843	3895	7785	10077
ΥοΥ%		116%	91%	31%	32%	362%	100%	29%
Voice traffic (m min)	532	588	684	787	837	1,121	1,377	1,428
YoY%		11%	16%	15%	6%	34%	23%	4%
Data traffic (m MB)	37	79	173	298	436	2,081	5,387	9,780
YoY%		112%	117%	73%	46%	377%	159%	82%
Voice revenue per min (p)	35.4	37.2	35.6	32.4	30.2	18.6	12.3	11.7
YoY%		5%	-4%	-9%	-7%	-38%	-34%	-5%
Data revenue per MB (p)	32.3	29.1	26.3	23.2	16.4	2.3	1.0	0.9
YoY%		-10%	-10%	-12%	-29%	-86%	-55%	-9%
Financial Metrics								
Voice revenue (INR b)	188.4	218.8	243.7	255.1	252.6	208.0	169.4	166.8
YoY%		16%	11%	5%	-1%	-18%	-19%	-2%
Data revenue (INR b)	12.1	23.1	45.4	69.2	71.7	48.4	56.3	92.8
YoY%		92%	97%	52%	4%	-32%	16%	65%
Data revenue as % of total revenue	5.4	8.9	14.6	19.6	20.5	17.6	23.4	33.9
Non Data VAS revenue (INR b)	21.0	19.1	22.2	29.1	24.5	18.7	15.3	14.0
Capex (INR b)	57.1	44.4	-252.3	399.8	208.3	73.9	65.0	65.0
Capex / Sales (%)	25.8	17.0	-81.0	113.1	59.7	26.9	27.0	23.8

Source: MOSL, Company

Financials and Valuations

Virthwated FY13 FY14 FY15 FY16 FY17 FY18 FY128 FY128 FY120E FY130 FY13	Consolidated - Income Statemer	*							(INR m)
Total Income from Operations 2,24,577 2,65,189 3,15,709 3,55,758 2,82,789 2,48,88 2,22,31 Change (%) 14.9 18.1 19.1 13.9 -1.0 -20.5 -12.0 13.5 Total Expenditure 1,64,531 1,81,852 2,07,592 2,38,818 2,52,995 2,22,314 1,96,916 2,07,535 1,82,17 78.6 79.1 73.5 EBITDA 60,045 83,337 1,19,676 1,02,763 60,475 51,922 74,833 Margin (%) 26.7 31,4 34,42 33.3 28.9 2,14 20.9 26.5 EBIT 25,268 38,143 55,061 57,115 24,491 -23,616 -66,607 71.3 PT bef. EO Exp. 15,773 30,443 49,322 43,613 -66,92 40,610 46,787 46,787 PT bef. EO Exp. 15,773 30,443 49,322 42,501 -66,33 -64,922 40,213 3,30 30.0 0 0		-	EV14	EV15	EV16	EV17	EV18	EV19E	
Change (%) 14.9 18.1 19.1 13.9 -1.0 20.5 -1.2.0 13.2 Total Expenditure 1.64,531 1.81,852 2.07,592 2.39,818 2.52,995 2.22,314 1.96,916 2.07,536 % of Sales 73.3 68.6 65.8 66.7 71.1 78.6 79.1 73.5 EBITD 60,045 83,337 1,08,117 1,19,676 1.02,763 60,475 51,922 74,833 Depreciation 34,778 45,194 53,036 62,561 78,272 48,001 48,528 96,182 EBIT 25,268 38,143 55,061 57,155 18,831 37,342 44,600 46,787 46,787 Share of profits of associates 0 0 0 4,217 4,218 3,224 44,630 24,310 26,486 23,310 23,30 30.0 Total Tax 5,664 10,765 17,396 15,220 -4,636 23,310 23.0 30.0 Total ta	•	-		_	-		-		
Total Expenditure 1.64.531 1.81.852 2.07.920 2.38.818 2.52.995 2.22.314 1.96.916 2.07.335 % of Sales 73.3 68.6 65.8 66.7 71.1 78.6 79.1 73.5 BITDA 60.045 83.337 1.08,117 1.19,676 1.02,763 60.475 51.922 74.433 Depreciation 34.778 45.194 53.036 62.561 78.272 84.091 85.286 78.272 84.091 85.286 78.272 84.091 85.286 73.33 66.16 66.76 71.1 78.6 66.216 73.33 66.16 66.37 71.1 78.45 74.248 3.742 44.60 46.787 73.99 74.76 75.75 18.81 3.224 3.132 3.390 P17 after EO txp. 15.773 30.443 49.325 32.204 -4.536 72.310 26.466 72.310 76.466 72.310 76.466 74.746 74.74 73.59 73.59 73.53 33.30 Morein (%) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
% of Sales 73.3 68.6 65.8 66.7 71.1 78.6 79.1 73.5 EBITDA 60,045 83,337 1,08,117 1,19,676 1,02,763 60,475 51,922 74,833 Depreciation 34,778 45,194 53,036 62,561 78,272 84,091 88,528 96,182 EBIT 25,268 38,143 55,081 57,115 24,491 -23,616 -36,667 -21,349 PBT bef. ED Exp. 15,773 30,443 49,325 38,284 -12,831 -68,492 -80,261 -64,746 Share of profits of associates 0 0 0 4,217 4,218 -3,224 3,132 3,390 PBT bef. EO Exp. 15,773 30,443 49,325 42,501 -86,36 -23,310 -26,464 -21,366 -21,366 -21,366 -21,366 -21,350 -46,36 -23,310 -26,464 -24,364 -24,330 -26,474 -52,31 -46,46 -41,47 -41,476 -41,474	_					-			
EBITDA 60,045 83,337 1,08,117 1,19,676 1,02,763 60,475 51,922 74,833 Margin (%) 26.7 31.4 34.2 33.3 28.9 21.4 20.9 26.5 Depreciation 34,778 45,194 53,036 62,561 78,272 84,001 86,787 45,83 64,929 40,646 42,136 74,397 41,662 53,775 43,300 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0 33.0	· · · ·		/- /						
Margin (%) 26.7 31.4 34.2 33.3 28.9 21.4 20.9 26.5 Depreciation 34,778 45.194 53.036 62.561 78.272 84.091 88,528 96,182 EBIT 25.268 38.143 55.081 57.115 24.491 -23.616 36.607 21.149 PBT bef. E0 Exp. 15.773 30.443 49,325 38.284 -12.831 -68.216 48.333 -68.136 Share of profits of associates 0 0 0 4,217 4,218 3.224 3.132 -68.166 Total Tax 5.664 10.765 17.396 15.220 4.636 -23.310 26.466 -21.366 Total Tax 5.664 10.109 19.678 31.929 27.281 -3.997 -41.682 -53.775 -43.300 Adjusted PAT 10.109 19.678 31.929 27.281 -3.997 -41.682 -53.775 -43.561 Change (%) 39.8 94.7 62.3		60.045							
Depretation 34,778 45,194 53,036 62,561 78,272 84,091 88,528 96,182 EBT 25,668 38,143 55,061 57,115 24,491 -23,616 -36,607 -21,349 Int: and Finance Charges 9,495 7,700 5,755 18,831 37,342 44,600 46,774 66,777 42,138 32,244 31,323 330 965 PBT bef: E0 Exp. 15,773 30,443 49,325 42,501 46,633 -64,992 80,261 -64,746 Total Tax 5,664 10,765 17,396 15,220 -4,636 -23,310 -26,486 -21,366 Tax Rate (%) 35.9 35.4 35.3 35.8 53.7 35.9 33.0 <td>Margin (%)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Margin (%)								
EBIT 25,268 38,143 55,081 57,115 24,491 -23,616 -36,607 -21,349 Int. and Finance Charges 9,495 7,700 5,755 18,831 37,342 44,600 46,787 46,787 PBT bef. EC Exp. 15,773 30,443 49,325 38,244 -12,811 -66,216 -83,933 -66,13 DBT after EO Exp. 15,773 30,443 49,325 32,610 -8,633 -64,922 -80,261 -64,746 Total Tax 5,664 10,765 17,396 15,220 -4,636 -23,310 -26,486 -21,366 Tax Rate (%) 35.9 35.4 35.3 35.8 53.7 35.9 33.0 33.0 Adjusted PAT 10,109 19,678 31,929 24,574 -3,997 -41,682 -53,775 -43,830 Adjusted PAT 10,109 19,678 31,929 24,574 -3,997 -41,682 -53,775 -43,830 Change (%) 39.8 94.7 62.3									
PBT bef. EO Exp. 15,773 30,443 49,325 38,284 -12,651 -68,216 -83,393 -68,136 Share of profits of associates 0 0 0 4,217 4,218 3,224 3,132 3,390 PBT after EO Exp. 15,773 30,443 49,325 42,210 -8,633 -64,926 -64,746 Total Tax 5,664 10,765 17,396 15,220 -4,636 -23,310 -26,486 -21,366 Tax Rate (%) 35.9 35.4 35.3 35.8 5.7 35.9 33.0 33.0 Minority interest 0	•		,					•	
Share of profits of associates 0 0 0 4,217 4,218 3,224 3,132 3,390 PBT after EO Exp. 15,773 30,443 49,325 42,501 -4,633 -64,992 -80,261 -64,746 Total Tax 5,664 10,755 17,396 15,220 -4,636 -23,310 26,486 -21,366 Tax Rate (%) 35.9 35.4 35.3 35.8 53.7 35.9 33.0 33.0 Minority interest 0	Int. and Finance Charges	9,495	7,700	5,755	18,831	37,342	44,600	46,787	46,787
PBT after EO Exp. 15,773 30,443 49,325 42,501 -8,633 -64,992 -80,261 -64,746 Total Tax 5,664 10,765 17,386 15,220 -4,436 -23,310 -26,486 -21,366 Tax Rate (%) 35.9 35.4 35.3 35.8 53.7 35.9 33.0 33.0 Minority Interest 0	PBT bef. EO Exp.	15,773	30,443	49,325	38,284	-12,851	-68,216	-83,393	-68,136
Total Tax 5,664 10,765 17,396 15,220 -4,636 -23,310 -26,486 -21,366 Tax Rate (%) 35.9 35.4 35.3 35.8 53.7 35.9 33.0 33.0 Minority Interest 0 </td <td>Share of profits of associates</td> <td>0</td> <td>0</td> <td>0</td> <td>4,217</td> <td>4,218</td> <td>3,224</td> <td>3,132</td> <td>3,390</td>	Share of profits of associates	0	0	0	4,217	4,218	3,224	3,132	3,390
Tax Rate (%) 35.9 35.4 35.3 35.8 53.7 35.9 33.0 33.0 Minority Interest 0	PBT after EO Exp.	15,773	30,443	49,325	42,501	-8,633	-64,992	-80,261	-64,746
Minority Interest 0	Total Tax	5,664	10,765	17,396	15,220	-4,636	-23,310	-26,486	-21,366
Reported PAT 10,109 19,678 31,929 27,281 -3,997 -41,682 -53,775 -43,380 Adjusted PAT 10,109 19,678 31,929 24,574 -3,997 -41,682 -53,775 -45,651 Change (%) 39.8 94.7 62.3 -14.6 -114.7 942.8 29.0 -15.1 Margin (%) 4.5 7.4 10.1 7.6 -1.1 -14.7 -21.6 -16.2 Consolidated - Balance Sheet (INR m) Y/E March FY13 FY14 FY15 FY16 FY17 FY18 FY120E Equity Share Capital 33,143 33,196 35,978 36,005 36,053 43,593 43,593 43,593 Total Reserves 1,11,073 1,32,073 1,94,314 1,99,501 2,11,269 2,29,031 1,75,266 1,31,876 Total Loans 1,40,438 2,06,350 2,68,591 4,05,413 5,50,545 5,98,51 6,13,747 6,35,747 Deferred Tax Liabilities 11,180 1	Tax Rate (%)	35.9	35.4	35.3	35.8	53.7	35.9	33.0	33.0
Adjusted PAT 10,109 19,678 31,929 24,574 -3,997 -41,682 -53,775 -45,651 Change (%) 39.8 94.7 62.3 -14.6 -114.7 942.8 29.0 -15.1 Margin (%) 4.5 7.4 10.1 7.6 -1.1 -14.7 942.8 29.0 -15.1 Consolidated - Balance Sheet (INR m) Y/E March FY13 FY14 FY15 FY16 FY17 FY18 FY19E FY20E Equity Share Capital 33,143 33,190 55,978 36,005 36,053 43,593	Minority Interest	0	0	0	0	0	0	0	0
Change (%) 39.8 94.7 62.3 -14.6 -114.7 942.8 29.0 -15.1 Margin (%) 4.5 7.4 10.1 7.6 -1.1 -14.7 -21.6 -16.2 Consolidated - Balance Sheet (INR m) Y/E March FY13 FY14 FY15 FY16 FY17 FY18 FY19E FY20E Equity Share Capital 33,143 33,196 35,978 36,005 36,053 43,593 43,593 Total Reserves 1,11,073 1,32,073 1,94,314 1,99,501 2,11,269 2,29,031 1,75,256 1,31,876 Net Worth 1,44,217 1,65,269 2,30,292 2,35,506 2,47,322 2,72,624 2,18,849 1,75,479 Deferred Tax Liabilities 11,180 18,133 19,015 19,539 13,218 -11,393 -11,393 -11,393 -11,393 Gross Block 4,67,357 5,16,970 6,18,207 7,13,532 9,06,838 10,20,216 1,0,85,216 1,50,216	Reported PAT	10,109	19,678	31,929	27,281	-3,997	-41,682	-53,775	-43,380
Margin (%) 4.5 7.4 10.1 7.6 -1.1 -14.7 -21.6 -16.2 Consolidated - Balance Sheet (INR m) Y/E March FY13 FY14 FY15 FY16 FY17 FY18 FY18 FY19 FY18 FY19 FY18 FY19 FY18 FY19 FY18 FY19 FY10 FY13 FY14 FY15 FY16 FY17 FY18 FY19 FY19 FY19 FY10 FY11 FY18 FY19 FY16 FY17 FY18 FY19 FY14 FY15 FY16 FY17 FY18 FY19 Fy16 FY17 FY18 FY19 Fy16 FY17 Fy18 Fy16 Fy17 Fy16 Fy17 Fy18 Fy16 Fy17 <td>Adjusted PAT</td> <td>10,109</td> <td>19,678</td> <td>31,929</td> <td>24,574</td> <td>-3,997</td> <td>-41,682</td> <td>-53,775</td> <td>-45,651</td>	Adjusted PAT	10,109	19,678	31,929	24,574	-3,997	-41,682	-53,775	-45,651
Consolidated - Balance Sheet (INR m) Y/E March FY13 FY14 FY15 FY16 FY17 FY18 FY19E Fy19E Fy19E Fy112 Jasson Jasson </td <td>Change (%)</td> <td>39.8</td> <td>94.7</td> <td>62.3</td> <td>-14.6</td> <td>-114.7</td> <td>942.8</td> <td>29.0</td> <td>-15.1</td>	Change (%)	39.8	94.7	62.3	-14.6	-114.7	942.8	29.0	-15.1
V/E MarchFY13FY14FY15FY16FY17FY18FY19EFY20EEquity Share Capital33,14333,19635,97836,00536,05343,59343,59343,593Total Reserves1,11,0731,32,0731,94,3141,99,5012,11,2692,29,0311,75,2561,31,876Net Worth1,44,2171,65,2692,30,2922,35,5062,47,3222,72,6242,18,8491,75,469Total Loans1,40,4382,06,3502,68,5914,05,4135,50,5455,79,8516,13,7476,35,747Deferred Tax Liabilities11,18018,13319,01519,53913,218-11,393-11,393-11,393Capital Employed2,95,8343,89,7525,17,8986,60,4588,11,0858,41,0828,21,2037,99,823Gross Block4,67,3575,16,9706,18,2077,13,5329,06,83810,20,21610,85,21611,50,216Less: Accum. Deprn.1,75,8182,21,0122,62,87161,6921,39,2672,23,3583,11,8874,08,068Net Fixed Assets2,91,5392,95,9583,55,3366,51,8407,67,5717,96,8587,73,3307,42,148Goodwill on Consolidation616161616161616161Capital Investments10,2802,1551,15,26734,70963,78372,90572,90572,905Curr. Assets, Loans & Adv.53,09253,20682,59854,24759,9	Margin (%)	4.5	7.4	10.1	7.6	-1.1	-14.7	-21.6	-16.2
V/E MarchFY13FY14FY15FY16FY17FY18FY19EFY20EEquity Share Capital33,14333,19635,97836,00536,05343,59343,59343,593Total Reserves1,11,0731,32,0731,94,3141,99,5012,11,2692,29,0311,75,2561,31,876Net Worth1,44,2171,65,2692,30,2922,35,5062,47,3222,72,6242,18,8491,75,469Total Loans1,40,4382,06,3502,68,5914,05,4135,50,5455,79,8516,13,7476,35,747Deferred Tax Liabilities11,18018,13319,01519,53913,218-11,393-11,393-11,393Capital Employed2,95,8343,89,7525,17,8986,60,4588,11,0858,41,0828,21,2037,99,823Gross Block4,67,3575,16,9706,18,2077,13,5329,06,83810,20,21610,85,21611,50,216Less: Accum. Deprn.1,75,8182,21,0122,62,87161,6921,39,2672,23,3583,11,8874,08,068Net Fixed Assets2,91,5392,95,9583,55,3366,51,8407,67,5717,96,8587,73,3307,42,148Goodwill on Consolidation616161616161616161Capital Investments10,2802,1551,15,26734,70963,78372,90572,90572,905Curr. Assets, Loans & Adv.53,09253,20682,59854,24759,9									
Equity Share Capital33,14333,19635,97836,00536,05343,59343,59343,593Total Reserves1,11,0731,32,0731,94,3141,99,5012,11,2692,29,0311,75,2561,31,876Net Worth1,44,2171,65,2692,30,2922,35,5062,47,3222,72,6242,18,8491,75,469Total Loans1,40,4382,06,3502,68,5914,05,4135,50,5455,79,8516,13,7476,55,747Deferred Tax Liabilities11,18018,13319,01519,53913,218-11,393-11,393Capital Employed2,95,8343,89,7525,17,8986,60,4588,11,0858,41,0828,21,2037,99,823Gross Block4,67,3575,16,9706,18,2077,13,5329,06,83810,20,21610,85,21611,50,216Less: Accum. Deprn.1,75,8182,21,0122,62,8716,16921,39,2672,23,3583,11,8874,0608Net Fixed Assets2,91,5392,95,9583,55,3366,51,8407,67,5717,96,8587,73,3307,42,148Goodwill on Consolidation61616161616161616161Curr. Assets, Loans & Adv.53,09253,20682,59854,24759,91266,06956,57681,317Inventory7266837101,0655883679265424,263656,56234,06745,35856,53751,49159,383Cur	Consolidated - Balance Sheet								(INR m)
Total Reserves 1,11,073 1,32,073 1,94,314 1,99,501 2,11,269 2,29,031 1,75,256 1,31,876 Net Worth 1,44,217 1,65,269 2,30,292 2,35,506 2,47,322 2,72,624 2,18,849 1,75,469 Total Loans 1,40,438 2,06,350 2,68,591 4,05,413 5,50,545 5,79,851 6,13,747 6,35,747 Deferred Tax Liabilities 11,180 18,133 19,015 19,539 13,218 -11,393 -11,392 -13,264 13,50 -1									
Net Worth1,44,2171,65,2692,30,2922,35,5062,47,3222,72,6242,18,8491,75,469Total Loans1,40,4382,06,3502,68,5914,05,4135,50,5455,79,8516,13,7476,35,747Deferred Tax Liabilities11,18018,13319,01519,53913,218-11,393-11,393-11,393Capital Employed2,95,8343,89,7525,17,8986,60,4588,11,0858,41,0828,21,2037,99,823Gross Block4,67,3575,16,9706,18,2077,13,5329,06,83810,20,21610,85,21611,50,216Less: Accum. Deprn.1,75,8182,21,0122,62,87161,6921,39,2672,23,3583,11,8874,08,068Net Fixed Assets2,91,5392,95,9583,55,3366,51,8407,67,5717,96,8587,73,3307,42,148Goodwill on Consolidation6161616161616161Gatal Investments10,2802,1551,15,26734,70963,78372,90572,905Curr. Assets, Loans & Adv.53,09253,20682,59854,24759,91266,06956,57681,317Inventory7266837101,065588367926542Account Receivables9,6018,0069,78911,42413,1398,8743,9044,430Cash and Bank Balance1,4291,88115,5377,69182729125416,663 <td< td=""><td>Equity Share Capital</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Equity Share Capital								
Total Loans 1,40,438 2,06,350 2,68,591 4,05,413 5,50,545 5,79,851 6,13,747 6,35,747 Deferred Tax Liabilities 11,180 18,133 19,015 19,539 13,218 -11,393 -13,313 -11,41,404 -13,130 -13,163 12,183	Total Reserves							1,75,256	
Deferred Tax Liabilities 11,180 18,133 19,015 19,539 13,218 -11,393 -11,393 -11,393 Capital Employed 2,95,834 3,89,752 5,17,898 6,60,458 8,11,085 8,41,082 8,21,203 7,99,823 Gross Block 4,67,357 5,16,970 6,18,207 7,13,532 9,06,838 10,20,216 10,85,216 11,50,216 Less: Accum. Deprn. 1,75,818 2,21,012 2,62,871 61,692 1,39,267 2,23,358 3,11,887 4,08,068 Net Fixed Assets 2,91,539 2,95,958 3,55,336 6,51,840 7,67,571 7,96,858 7,73,330 7,42,148 Goodwill on Consolidation 61 6	Net Worth								
Capital Employed 2,95,834 3,89,752 5,17,898 6,60,458 8,11,085 8,41,082 8,21,203 7,99,823 Gross Block 4,67,357 5,16,970 6,18,207 7,13,532 9,06,838 10,20,216 10,85,216 11,50,216 Less: Accum. Deprn. 1,75,818 2,21,012 2,62,871 61,692 1,39,267 2,23,358 3,11,887 4,08,068 Net Fixed Assets 2,91,539 2,95,958 3,55,336 6,51,840 7,67,571 7,96,858 7,73,330 7,42,148 Goodwill on Consolidation 61 <									
Gross Block 4,67,357 5,16,970 6,18,207 7,13,532 9,06,838 10,20,216 10,85,216 11,50,216 Less: Accum. Deprn. 1,75,818 2,21,012 2,62,871 61,692 1,39,267 2,23,358 3,11,887 4,08,068 Net Fixed Assets 2,91,539 2,95,958 3,55,336 6,51,840 7,67,571 7,96,858 7,73,330 7,42,148 Goodwill on Consolidation 61 </td <td>Deferred Tax Liabilities</td> <td></td> <td>,</td> <td>19,015</td> <td>19,539</td> <td>13,218</td> <td></td> <td>-11,393</td> <td>-11,393</td>	Deferred Tax Liabilities		,	19,015	19,539	13,218		-11,393	-11,393
Less: Accum. Deprn. 1,75,818 2,21,012 2,62,871 61,692 1,39,267 2,23,358 3,11,887 4,08,068 Net Fixed Assets 2,91,539 2,95,958 3,55,336 6,51,840 7,67,571 7,96,858 7,73,330 7,42,148 Goodwill on Consolidation 61	Capital Employed	2,95,834	3,89,752	5,17,898	6,60,458	8,11,085	8,41,082	8,21,203	7,99,823
Less: Accum. Deprn. 1,75,818 2,21,012 2,62,871 61,692 1,39,267 2,23,358 3,11,887 4,08,068 Net Fixed Assets 2,91,539 2,95,958 3,55,336 6,51,840 7,67,571 7,96,858 7,73,330 7,42,148 Goodwill on Consolidation 61	Gross Block	4 67 357	5 16 970	6 18 207	7 13 532	9 06 838	10 20 216	10 85 216	11 50 216
Net Fixed Assets 2,91,539 2,95,958 3,55,336 6,51,840 7,67,571 7,96,858 7,73,330 7,42,148 Goodwill on Consolidation 61 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
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Capital WIP 8,811 1,14,194 51,405 60,397 75,351 35,853 35,853 35,853 Total Investments 10,280 2,155 1,15,267 34,709 63,783 72,905 72,905 72,905 Curr. Assets, Loans & Adv. 53,092 53,206 82,598 54,247 59,912 66,069 56,576 81,317 Inventory 726 683 710 1,065 588 367 926 542 Account Receivables 9,601 8,006 9,789 11,424 13,139 8,874 3,904 4,430 Cash and Bank Balance 1,429 1,881 15,537 7,691 827 291 254 16,963 Loans and Advances 41,336 42,636 56,562 34,067 45,358 56,537 51,491 59,383 Curr. Liability & Prov. 67,949 75,823 86,769 1,40,798 1,55,592 1,30,664 1,17,521 1,32,461 Account Payables 64,719 68,960									
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Account Receivables9,6018,0069,78911,42413,1398,8743,9044,430Cash and Bank Balance1,4291,88115,5377,69182729125416,963Loans and Advances41,33642,63656,56234,06745,35856,53751,49159,383Curr. Liability & Prov.67,94975,82386,7691,40,7981,55,5921,30,6641,17,5211,32,461Account Payables64,71968,96078,0131,36,4181,51,5511,27,3331,14,3661,28,254Provisions3,2306,8638,7564,3804,0413,3313,1554,206Net Current Assets-14,857-22,616-4,171-86,550-95,681-64,595-60,945-51,143	Inventory								
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Provisions 3,230 6,863 8,756 4,380 4,041 3,331 3,155 4,206 Net Current Assets -14,857 -22,616 -4,171 -86,550 -95,681 -64,595 -60,945 -51,143		64,719							
Net Current Assets -14,857 -22,616 -4,171 -86,550 -95,681 -64,595 -60,945 -51,143	Provisions								
	Appl. of Funds						8,41,082		

Financials and Valuations

Y/E March	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E
Basic (INR)								
EPS	2.8	5.5	8.9	6.8	-1.1	-9.6	-12.3	-10.5
Cash EPS	13.5	19.5	23.6	24.2	20.6	9.7	8.0	11.6
BV/Share	43.5	49.8	64.0	65.4	68.6	62.5	50.2	40.3
DPS	0.3	0.4	0.6	0.6	0.0	0.0	0.0	0.0
Payout (%)	11.5	7.9	8.1	9.5	0.0	0.0	0.0	0.0
Valuation (x)								
P/E		18.8	7.8	10.1	-62.3	-7.2	-5.6	-6.6
Cash P/E			2.9	2.9	3.4	7.1	8.7	6.0
P/BV			1.1	1.1	1.0	1.1	1.4	1.7
EV/Sales			1.6	1.8	2.2	3.1	3.7	3.3
EV/EBITDA		6.9	3.6	5.1	7.2	13.4	16.2	11.3
Dividend Yield (%)	0.3	0.4	0.9	0.8	0.0	0.0	0.0	0.0
Return Ratios (%)								
RoE	7.4	12.7	16.1	10.6	-1.7	-16.0	-21.9	-23.2
RoCE	5.9	7.5	8.2	6.4	1.6	-1.8	-2.9	-1.7
RoIC	6.0	9.0	11.7	8.2	1.8	-2.2	-3.4	-2.1
Working Capital Ratios								
Fixed Asset Turnover (x)	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2
Asset Turnover (x)	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.4
Inventory (Days)	1	1	1	1	1	0	1	1
Debtor (Days)	16	11	11	12	13	11	6	6
Leverage Ratio (x)								
Current Ratio	0.8	0.7	1.0	0.4	0.4	0.5	0.5	0.6
Interest Cover Ratio	2.7	5.0	9.6	3.0	0.7	-0.5	-0.8	-0.5
Net Debt/Equity	0.9	1.2	0.6	1.5	2.0	1.9	2.5	3.1
Consolidated - Cash Flow State								(INR

Consolidated - Cash Flow Stateme	ent							(INK m)
Y/E March	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E
OP/(Loss) before Tax	10,109	19,678	31,929	42,501	-8,632	-41,682	-53,775	-43,380
Depreciation	34,778	45,194	53,036	62,561	78,272	84,091	88,528	96,182
Interest & Finance Charges	9,963	8,564	9,337	20,685	39,736	44,600	46,787	46,787
Direct Taxes Paid	-4,110	-6,384	-11,043	-8,611	-6,808	0	0	0
(Inc)/Dec in WC	6,096	5,354	5,540	-3,980	6,960	-23,102	-12,221	6,906
CF from Operations	56,836	72,406	88,800	1,13,155	1,09,527	63,907	69,319	1,06,495
Others	6,135	9,786	15,379	-3,669	-4,154	-24,611	0	0
CF from Operating incl EO	62,971	82,192	1,04,179	1,09,486	1,05,373	39,296	69,319	1,06,495
(Inc)/Dec in FA	-34,766	-36,448	-41,576	-1,29,118	-1,26,319	-73,880	-65,000	-65,000
Free Cash Flow	28,205	45,744	62,603	-19,632	-20,946	-34,584	4,319	41,495
(Pur)/Sale of Investments	0	0	0	1,03,909	-33,472	-9,122	0	0
Others	657	-29,194	-15,680	2,835	4,626	-8,519	8,535	0
CF from Investments	-34,109	-65,642	-57,256	-22,373	-1,55,165	-91,521	-56,465	-65,000
Issue of Shares	248	263	37,374	175	-4,453	67,497	0	0
Inc/(Dec) in Debt	-10,368	-15,936	52,355	-86,485	84,297	29,306	33,896	22,000
Interest Paid	-9,283	-7,682	-6,656	-4,393	-32,800	-44,600	-46,787	-46,787
Dividend Paid	-250	-1,306	-2,792	-2,598	-2,599	0	0	0
Others	0	0	0	0	1	-513	0	0
CF from Fin. Activity	-19,653	-24,661	80,280	-93,301	44,445	51,690	-12,891	-24,787
Inc/Dec of Cash	9,209	-8,111	1,27,202	-6,188	-5,346	-535	-37	16,709
Opening Balance	1,521	10,729	3,543	13,879	6,174	827	291	254
Closing Balance	1,429	1,881	15,537	7,691	827	291	254	16,963

Explanation of Investment Rating					
Investment Rating	Expected return (over 12-month)				
BUY	>=15%				
SELL	< - 10%				
NEUTRAL	> - 10 % to 15%				
UNDER REVIEW	Raling 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 becomes inconsistent with the investment rating legend, the Research Analyst shall within 28 days of the inconsistency, take appropriate measures to make the recommendation consistent with the investment rating legend.					

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Analyst ownership of the stock	No	
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