

# **Aurobindo Pharma**

**BSE SENSEX S&P CNX** 36,374 10,905

# AUROBINDO

#### **Stock Info**

Bloomberg	ARBP IN
Equity Shares (m)	586
M.Cap.(INRb)/(USDb)	453.7 / 6.4
52-Week Range (INR)	830 / 527
1, 6, 12 Rel. Per (%)	4/33/14
12M Avg Val (INR M)	2111
Free float (%)	48.1

#### Financials Snapshot (INR b)

Y/E Mar	2018	<b>2019E</b>	2020E
Net Sales	165.0	184.4	259.9
EBITDA	37.9	39.7	58.0
PAT	25.0	25.1	35.5
EPS (INR)	42.7	42.8	60.5
Gr. (%)	8.7	0.2	41.4
BV/Sh (INR)	199.4	237.8	295.8
RoE (%)	23.8	19.6	22.7
RoCE (%)	17.4	15.2	16.0
P/E (x)	18.1	18.1	12.8
P/BV (x)	3.9	3.3	2.6

#### Shareholding pattern (%)

As On	Dec-18	Sep-18	Dec-17
Promoter	51.9	51.9	51.9
DII	14.4	15.0	15.6
FII	20.1	19.1	18.9
Others	13.6	14.0	13.7

FII Includes depository receipts

#### Stock Performance (1-year)



Enhances specialty portfolio by acquiring Spectrum's oncology products

TP: INR940(+21%)

## Deal attractively valued

**CMP: INR775** 

- Aurobindo Pharma (ARBP) would acquire seven marketed oncology products, intellectual property and commercial infrastructure from Spectrum Pharma for a consideration of USD300m, which includes an upfront payment of USD160m and a milestone-linked payment of USD140m.
- The acquired portfolio is expected to have contributed USD105m to Spectrum in CY18, implying an attractive valuation of EV/sales of ~1.5x (EV based on upfront payment only).
- We note that a few of these products are under patent. Also, synergy benefit would accrue as ARBP will use its own platform to market the products, thereby reducing costs. Accordingly, we believe that the acquired portfolio would have margins that are much higher than ARBP's consolidated EBITDA margin.
- We raise our FY20/21 EPS estimate by 2%/2.7% to INR60.5/INR63.8 and revise our target price to INR940 (prior: INR920), based on 15x 12M forward earnings, to factor in this acquisition. Maintain Buy.

Deal to be EPS-accretive from first year: ARBP acquired seven oncology injectable products, intellectual property and commercial infrastructure from Spectrum Pharma for a cash consideration of USD160m. It is also liable to pay USD140m on achieving certain regulatory and sales-based milestones. This will be ARBP's third acquisition in the last six months (one in Europe and two in the US). The acquired products are already commercialized in the US (contributed USD116.2m in CY17 and likely to have contributed ~USD105m in CY18 for Spectrum Pharma). For ARBP, these products are expected to generate sales of ~USD100m for the first 12 months post completion of the deal. The transaction is expected to be EPS accretive from the first year itself. It will also provide ARBP an opportunity to grow its oncology portfolio by launching innovative branded products and using readily available infra for oncology brands.

Bodes well for building specialty portfolio in developed market: Our portfolio analysis indicates four products are under patent, which are expiring over FY20-34. Spectrum's 9MCY18 financials indicate that it has been incurring operational losses on business from these products. This is largely due to increased R&D (76% of sales) and selling expenses (84% of sales) for Spectrum. R&D spend has been largely toward its NCE portfolio. Post-acquisition of the commercial portfolio by ARBP, the R&D spend would get eliminated. In addition, selling expenses would reduce considerably as ARBP will use its own marketing platform. Pro forma P&L (Exhibit 1) indicates PAT of USD10m in FY20, which will only increase on the back of an improvement in sales and profitability.

**Valuation view:** We raise our FY20/21 EPS estimate by 2/2.7% to build in the business contribution from the acquired portfolio. Accordingly, we revise our target price to INR940 (prior: INR920), based on 15x 12M forward earnings. Reiterate **Buy**.

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Motilal Oswal

Exhibit 1: Pro forma P&L indicates addition of USD10m in PAT from deal on 12M basis

Pro forma P&L (USD m)	FY20E
Sales	105.0
Cost of sales	26.4
SGA	48.0
EBITDA	30.6
EBITDA Margin (%)	29.1
Amortization	12.0
Finance cost	4.8
PBT	13.8
tax @ 23%	3.2
PAT	10.6
USDINR rate	71.0
PAT (INR m)	754
FY19E PAT (INR m)	25067
% Increment over FY19E	3.0

Source: MOSL

**Exhibit 2: Product details** 

Brand	Generic Name	Trailing 12M sales (USDm)	Patent expiry	Remarks
Folotyn	Pralatrexate	43.0	2022 / 2025	
Evomela	Melphalan Hydrochloride	29.1	2029 / 2033 / 2034	Being patented, enough scope to increase sales
Beleodaq	Belinostat	11.3	2021 / 2027	
Zevalin	Ibritumomab Tiuxetan	10.0	Expired	Limited scope to increase sales
Marqibo	Vincristine Sulfate	4.3	2020	Being patented, enough scope to increase sales
Fusilev	Levoleucovorin Calcium	2.9	Multiple generic available	Being genercised, limited scope to increase revenue

Source: MOSL, Industry

**Exhibit 3: Products and their indications** 

Brand	Description
Fusilev	It is used for patients with advance metastatic colorectal cancer in combination with 5-fluorouracil in relieving pain without dealing with the cause of the condition
Folotyn	It is used to treat Peripheral T-cell Lymphoma (PTCL) cancer. It is used when other drugs do not work or the cancer returns after treatment with other drugs
Zevalin	It is a three-step treatment used with Rituximab. Two treatment of Rituximab to reduce B-cell in the blood and one treatment of Zevalin. It is used in patients with low grade B-cell that has relapsed during or after treatment with other anticancer drugs
Marqibo	It is an anticancer drug for treatment in adults with Philadelphia chromosome-negative - ALL, or Ph-ALL. Used in second or greater relapse or whose disease has progressed two or more lines of anti-leukemia
Beleodaq	It is a histone deacytelase, or HDAC, inhibitor for the treatment of patients with relapsed or refractory PTCL
Evomela	It is intended for use as a high-dose conditioning treatment prior to autologous stem cell transplant, or ASCT, for patients with MM (a cancer of plasma cells, a type of white blood cell present mainly in the bone marrow that produces antibodies)

Source: MOSL, Industry

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#### Valuation and view:

#### Long term industry view

#### US to remain the focus geography

- With intensifying competition in small molecules, faster pace of approvals from the USFDA and reasonable experience in US generics, pharma companies have moved up the value chain toward larger molecules, which are either difficult to develop and/or difficult to manufacture. This would enable companies to have relatively low competition, and thus, better sales and profitability. The phase of superior business from such molecules is subject to lead time for a company compared to peers.
- At the same time, companies with a reasonable base business are facing pricing pressure on account of intensifying competition, which is adversely impacting sales and profitability. Thus, there is ongoing leakage in the base business. Pharma companies are strategizing to have a pipeline of complex generics to not only offset price erosion in the base business but also grow over the medium-to-long term.
- The intensity of pricing pressure was higher in FY18. This, coupled with lower potential approvals, adversely impacted growth in the US business. Regulatory headwinds worsened the situation further.
- We believe that given the strong R&D base, manufacturing capacity and considerable ongoing effort toward successful compliance, Indian pharma companies are poised for better growth, going forward.

#### **ARBP** in this backdrop

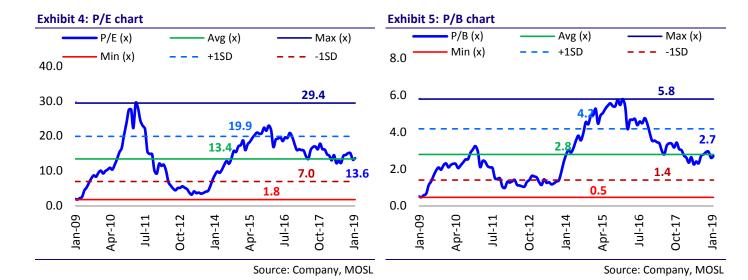
Unlike peers which reported a sharp decline in US sales in FY18, ARBP delivered 9% YoY growth on the back of its strong launches and diversified portfolio. US sales formed 45% of total sales in FY18. Even on a high base of ~USD1.2b US sales, we expect ARBP to deliver a 37% CAGR over FY18-20, led by the addition of Sandoz portfolio, oncology portfolio and new launches.

#### Key catalysts to drive stock's performance over the medium term:

- Strong momentum in ANDA approvals and subsequent launches
- Increased outsourcing from India facility for Europe
- Reduction in financial leverage

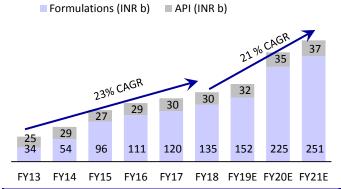
#### Key risks to our investment thesis:

- Regulatory delays affecting key US launches
- Higher-than-expected price erosion in existing and also the Sandoz portfolio
- Lower-than-expected operating leverage in Europe business



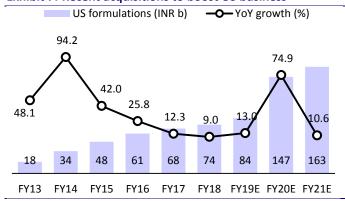
# **Story in charts**

#### **Exhibit 6: Formulation led sales growth**



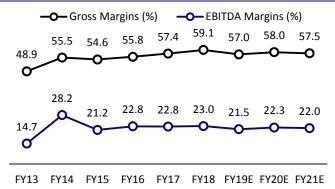
Source: Company, MOSL

#### **Exhibit 7: Recent acquisitions to boost US business**



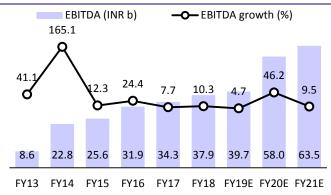
Source: Company, MOSL

Exhibit 8: Margins to remain stable over FY18-21



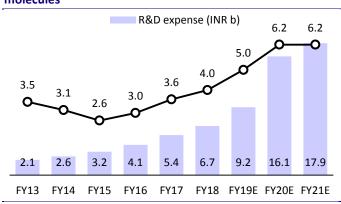
Source: Company, MOSL

Exhibit 9: EBITDA to exhibit 19% CAGR over FY18-21



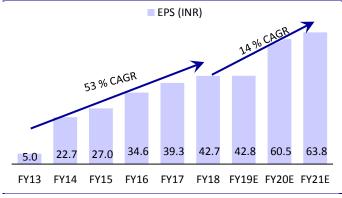
Source: Company, MOSL

Exhibit 10: R&D expense on rise to develop complex molecules



Source: Company, MOSL

Exhibit 11: Expect EPS CAGR of ~14% over FY18-21



Source: Company, MOSL

# **Financials and Valuations**

Consolidated - Income Statement	FY14	FV4 F	FV4.C	FY17	FV40	EV4.0E	FV20F	(INR m
Y/E March		FY15	FY16		FY18	FY19E	FY20E	FY21
Total Income from Operations	80,998	121,205	139,553	150,897	164,998	184,439	259,943	288,63
Change (%)	38.3	49.6	15.1	8.1	9.3	11.8	40.9	11.0
Total Expenditure	58,170	95,569	107,671	116,556	127,113	144,784	201,976	225,13
% of Sales	71.8	78.8	77.2	77.2	77.0	78.5	77.7	78.0
EBITDA	22,828	25,636	31,882	34,341	37,885	39,654	57,967	63,49
Margin (%)	28.2	21.2	22.8	22.8	23.0	21.5	22.3	22.0
Depreciation	3,125	3,326	3,924	4,276	5,580	6,588	9,083	11,42
EBIT	19,703	22,310	27,958	30,065	32,305	33,067	48,885	52,07
Int. and Finance Charges	1,079	843	927	667	777	1,384	2,619	3,28
Other Income	232	808	701	538	1,020	1,000	500	50
PBT bef. EO Exp.	18,856	22,275	27,733	29,936	32,548	32,683	46,765	49,29
EO Items	-2,031	-596	-304	621	-168	-1,347	0	
PBT after EO Exp.	16,825	21,679	27,429	30,557	32,380	31,336	46,765	49,29
Current Tax	3,635	5,966	7,207	7,596	8,183	7,364	11,364	11,97
Deferred Tax	0	0	0	0	0	0	0	(
Tax Rate (%)	21.6	27.5	26.3	24.9	25.3	23.5	24.3	24.
Less: Mionrity Interest	-38	-45	-30	-55	-34	-35	-55	-5!
Reported PAT	13,228	15,758	20,252	23,015	24,231	24,007	35,456	37,37
Adjusted PAT	13,228	15,758	20,251	23,015	25,021	25,067	35,456	37,37
Change (%)	350.1	19.1	28.5	13.6	8.7	0.2	41.4	5.
Margin (%)	16.3	13.0	14.5	15.3	15.2	13.6	13.6	12.9
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E	(INR m
Equity Share Capital	583	584	585	586	586	586	586	586
Total Reserves	36,919	50,975						
Net Worth			72,288	93,133	116,218	138,760	172,752	208,65
	37,502	51,559	72,873	93,719	116,804	139,346	173,338	208,653 <b>209,24</b> 3
Minority Interest	257	<b>51,559</b> 258	<b>72,873</b> 26	<b>93,719</b> 21	<b>116,804</b> 18	<b>139,346</b> 19	<b>173,338</b> 19	208,653 <b>209,24</b> 3
Minority Interest Deferred Liabilities	257 2,054	<b>51,559</b> 258 2,058	<b>72,873</b> 26 -1,823	<b>93,719</b> 21 -1,185	116,804 18 765	<b>139,346</b> 19 780	<b>173,338</b> 19 796	208,657 <b>209,24</b> 3 19
Minority Interest Deferred Liabilities Total Loans	257 2,054 36,339	<b>51,559</b> 258 2,058 38,636	<b>72,873</b> 26 -1,823 44,155	93,719 21 -1,185 30,841	116,804 18 765 44,825	139,346 19 780 41,682	173,338 19 796 112,381	208,657 <b>209,243</b> 19 812 106,254
Minority Interest Deferred Liabilities	257 2,054	<b>51,559</b> 258 2,058	<b>72,873</b> 26 -1,823	<b>93,719</b> 21 -1,185	116,804 18 765	<b>139,346</b> 19 780	<b>173,338</b> 19 796	208,65 209,24 19 81 106,25
Minority Interest Deferred Liabilities Total Loans	257 2,054 36,339	<b>51,559</b> 258 2,058 38,636	<b>72,873</b> 26 -1,823 44,155	93,719 21 -1,185 30,841	116,804 18 765 44,825	139,346 19 780 41,682	173,338 19 796 112,381	208,65 209,24 11 81: 106,25 316,32
Minority Interest Deferred Liabilities Total Loans Capital Employed	257 2,054 36,339 <b>76,151</b>	51,559 258 2,058 38,636 92,511	72,873 26 -1,823 44,155 115,230	93,719 21 -1,185 30,841 123,397	116,804 18 765 44,825 162,413	139,346 19 780 41,682 181,827	173,338 19 796 112,381 286,533	208,65 209,243 19 812 106,254 316,328 133,388
Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block	257 2,054 36,339 <b>76,151</b> 41,066	51,559 258 2,058 38,636 92,511 53,821	72,873 26 -1,823 44,155 115,230 41,312	93,719 21 -1,185 30,841 123,397 53,650	116,804 18 765 44,825 162,413 70,719	139,346 19 780 41,682 181,827	173,338 19 796 112,381 286,533	208,653 209,243 19 812 106,254 316,328 133,389 38,940
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn.	257 2,054 36,339 <b>76,151</b> 41,066 14,613	51,559 258 2,058 38,636 92,511 53,821 17,405	72,873 26 -1,823 44,155 115,230 41,312 3,455	93,719 21 -1,185 30,841 123,397 53,650 7,168	116,804 18 765 44,825 162,413 70,719 11,843	139,346 19 780 41,682 181,827 80,719 18,430	173,338 19 796 112,381 286,533 123,389 27,513	208,65 209,243 19 812 106,254 316,328 133,388 38,944 94,448
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets	257 2,054 36,339 <b>76,151</b> 41,066 14,613 <b>26,453</b>	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856	93,719 21 -1,185 30,841 123,397 53,650 7,168 46,482	116,804 18 765 44,825 162,413 70,719 11,843 58,876	139,346 19 780 41,682 181,827 80,719 18,430 62,289	173,338 19 796 112,381 286,533 123,389 27,513 95,876	208,652 209,243 19 812 106,254 316,328 133,389 38,940 94,449 8,169
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation	257 2,054 36,339 <b>76,151</b> 41,066 14,613 <b>26,453</b> 764	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063	116,804 18 765 44,825 162,413 70,719 11,843 58,876 8,165	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165	208,65 209,24 11 81 106,25 316,32 133,38 38,94 94,44 8,16 13,99
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments	257 2,054 36,339 76,151  41,066 14,613 26,453 764 3,097 198	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459	116,804 18 765 44,825 162,413 70,719 11,843 58,876 8,165 13,995 3,115	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115	208,65 209,24 11 81 106,25 316,32 133,38 38,94 94,44 8,16 13,99 3,11
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv.	257 2,054 36,339 76,151 41,066 14,613 26,453 764 3,097 198	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459	116,804 18 765 44,825 162,413 70,719 11,843 58,876 8,165 13,995 3,115	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327	208,65 209,24 19 812 106,254 316,328 133,389 38,944 94,449 8,166 13,999 3,111 249,955
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory	257 2,054 36,339 76,151 41,066 14,613 26,453 764 3,097 198 64,386 23,675	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305	116,804 18 765 44,825 162,413 70,719 11,843 58,876 8,165 13,995 3,115 125,312 58,584	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115 137,074 68,805	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717	208,65 209,24 11 81 106,25 316,32 133,38 38,94 94,44 8,16 13,99 3,11 249,95 106,42
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables	257 2,054 36,339 76,151 41,066 14,613 26,453 764 3,097 198 64,386 23,675 26,366	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561 46,067	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042	116,804 18 765 44,825 162,413 70,719 11,843 58,876 8,165 13,995 3,115 125,312 58,584 30,844	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115 137,074 68,805 34,478	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096	208,65 209,24 11 81 106,25 316,32 133,38 38,94 94,44 8,16 13,99 3,11 249,95 106,42 71,17
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance	257 2,054 36,339 76,151 41,066 14,613 26,453 764 3,097 198 64,386 23,675 26,366 1,786	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561 46,067 8,003	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042 5,135	116,804 18 765 44,825 162,413 70,719 11,843 58,876 8,165 13,995 3,115 125,312 58,584 30,844 12,616	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115 137,074 68,805 34,478 22,791	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096 44,515	208,65 209,24 11 81 106,25 316,32 133,38 38,94 94,44 8,16 13,99 3,11 249,95 106,42 71,17 61,36
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances	257 2,054 36,339 76,151 41,066 14,613 26,453 764 3,097 198 64,386 23,675 26,366 1,786 12,559	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561 46,067 8,003 11,001	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042 5,135 11,957	116,804  18  765  44,825  162,413  70,719  11,843  58,876  8,165  13,995  3,115  125,312  58,584  30,844  12,616  23,268	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115  137,074 68,805 34,478 22,791 11,000	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096 44,515 11,000	208,65 209,24 1: 81 106,25 316,32: 133,38: 38,94 94,44: 8,16: 13,99: 3,11: 249,95: 106,42: 71,17: 61,36: 11,00:
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov.	257 2,054 36,339 76,151  41,066 14,613 26,453 764 3,097 198  64,386 23,675 26,366 1,786 12,559 18,747	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561 46,067 8,003 11,001 41,909	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042 5,135 11,957 37,420	116,804  18  765  44,825  162,413  70,719  11,843  58,876  8,165  13,995  3,115  125,312  58,584  30,844  12,616  23,268  47,051	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115 137,074 68,805 34,478 22,791 11,000 42,812	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096 44,515 11,000 48,946	208,65 209,24  1: 81. 106,25. 316,32: 133,38: 38,94 94,44: 8,16. 13,99 3,11. 249,95: 106,42 71,17: 61,36: 11,000 53,35:
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables	257 2,054 36,339 76,151  41,066 14,613 26,453 764 3,097 198  64,386 23,675 26,366 1,786 12,559 18,747 13,512	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587 20,511	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561 46,067 8,003 11,001 41,909 24,570	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042 5,135 11,957 37,420 24,883	116,804  18  765  44,825  162,413  70,719  11,843  58,876  8,165  13,995  3,115  125,312  58,584  30,844  12,616  23,268  47,051  26,274	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115 137,074 68,805 34,478 22,791 11,000 42,812 30,187	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096 44,515 11,000 48,946 36,321	208,65 209,243 11 81: 106,25: 316,323 133,38: 38,94: 94,44: 8,16: 13,99: 3,11: 249,95: 106,42: 71,17: 61,36: 11,00: 53,35: 40,72:
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables Other Current Liabilities	257 2,054 36,339 76,151  41,066 14,613 26,453 764 3,097 198  64,386 23,675 26,366 1,786 12,559 18,747 13,512 3,877	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587 20,511 13,650	72,873 26 -1,823 44,155 115,230  41,312 3,455 37,856 4,063 8,359 1,230  105,631 40,561 46,067 8,003 11,001 41,909 24,570 15,776	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042 5,135 11,957 37,420 24,883 11,415	116,804  18 765 44,825 162,413  70,719 11,843 58,876 8,165 13,995 3,115  125,312 58,584 30,844 12,616 23,268 47,051 26,274 18,209	139,346 19 780 41,682 181,827  80,719 18,430 62,289 8,165 13,995 3,115  137,074 68,805 34,478 22,791 11,000 42,812 30,187 12,000	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096 44,515 11,000 48,946 36,321 12,000	208,65 209,243 11 811 106,25 316,323 133,383 38,944 8,166 13,995 3,111 249,955 106,425 71,176 61,366 11,000 53,356 40,725 12,000
Minority Interest Deferred Liabilities Total Loans Capital Employed  Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments  Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables	257 2,054 36,339 76,151  41,066 14,613 26,453 764 3,097 198  64,386 23,675 26,366 1,786 12,559 18,747 13,512	51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587 20,511	72,873 26 -1,823 44,155 115,230 41,312 3,455 37,856 4,063 8,359 1,230 105,631 40,561 46,067 8,003 11,001 41,909 24,570	93,719 21 -1,185 30,841 123,397  53,650 7,168 46,482 4,063 12,374 2,459  95,439 43,305 35,042 5,135 11,957 37,420 24,883	116,804  18  765  44,825  162,413  70,719  11,843  58,876  8,165  13,995  3,115  125,312  58,584  30,844  12,616  23,268  47,051  26,274	139,346 19 780 41,682 181,827 80,719 18,430 62,289 8,165 13,995 3,115 137,074 68,805 34,478 22,791 11,000 42,812 30,187	173,338 19 796 112,381 286,533 123,389 27,513 95,876 8,165 13,995 3,115 214,327 94,717 64,096 44,515 11,000 48,946 36,321	208,657 209,243 19 812 106,254 316,328 133,389 38,940 94,449 8,169 13,999 3,119 249,952 106,423 71,170 61,360 11,000 53,350 40,729 12,000 629

Appl. of Funds
E: MOSL Estimates

17 January 2019 6

92,511

115,230

123,397

162,413

181,827

286,533

316,328

76,151

# **Financials and Valuations**

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E	FY21E
Basic (INR)								
EPS	22.7	27.0	34.6	39.3	42.7	42.8	60.5	63.8
Cash EPS	28.1	32.7	41.3	46.6	52.2	54.0	76.0	83.3
BV/Share	64.3	88.3	124.5	160.0	199.4	237.8	295.8	357.1
DPS	1.5	2.3	2.0	2.5	2.5	2.5	2.5	2.5
Payout (%)	6.6	8.3	5.8	6.4	6.0	6.1	4.1	3.9
Valuation (x)								
P/E	34.1	28.7	22.4	19.7	18.1	18.1	12.8	12.1
Cash P/E	27.6	23.7	18.7	16.6	14.8	14.3	10.2	9.3
P/BV	12.0	8.8	6.2	4.8	3.9	3.3	2.6	2.2
EV/Sales	6.0	4.0	3.5	3.2	2.9	2.6	2.0	1.7
EV/EBITDA	21.4	19.0	15.4	14.0	12.8	11.9	9.0	7.9
Dividend Yield (%)	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
FCF per share	-1.4	5.1	-0.5	27.0	-12.3	27.5	-76.7	47.2
Return Ratios (%)		*						
RoE	41.6	35.4	32.5	27.6	23.8	19.6	22.7	19.5
RoCE	23.3	20.4	20.4	19.0	17.4	15.2	16.0	13.2
RoIC	24.2	20.9	22.8	22.5	20.4	18.4	20.2	17.0
Working Capital Ratios								27.10
Asset Turnover (x)	1.1	1.3	1.2	1.2	1.0	1.0	0.9	0.9
Inventory (Days)	107	109	106	105	130	136	133	135
Debtor (Days)	116	105	120	85	68	68	90	90
Creditor (Days)	137	136	146	141	142	139	121	121
Working Cap. Turnover (Days)	198	140	146	128	145	141	170	171
Leverage Ratio (x)	130	110	110	120	1.5		1,0	
Current Ratio	3.4	2.4	2.5	2.6	2.7	3.2	4.4	4.7
Interest Cover Ratio	18	26	30	45	42	24	19	16
Debt/Equity	1.0	0.7	0.6	0.3	0.4	0.3	0.6	0.5
					• • •			
Consultation Cook Floor Statement								(INID)
Consolidated - Cash Flow Statement						=>44		(INR m)
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E	FY21E
OP/(Loss) before Tax	19,703	22,310	27,443	30,608	32,305	33,067	48,885	52,072
Depreciation	3,125	3,326	3,924	4,276	5,580	6,588	9,083	11,427
Interest / Dividend recieved	232	808	689	384	1,020	1,000	500	500
Direct Taxes Paid	-3,635	-5,966	-7,326	-7,737	-8,183	-7,364	-11,364	-11,978
(Inc)/Dec in WC	-13,533	-2,515	-10,794	6,110	-12,760	-5,827	-49,396	-14,375
CF from Operations	5,893	17,963	13,936	33,641	17,962	27,464	-2,293	37,645
Others	-2,031	-596	262	-856	-168	-1,347	0	0
CF from Operating incl EO	3,863	17,367	14,198	32,786	17,795	26,117	-2,293	37,645
(inc)/dec in FA	-4,656	-14,389	-14,475	-16,942	-25,011	-10,000	-42,670	-10,000
Free Cash Flow	-793	2,978	-277	15,844	-7,217	16,117	-44,963	27,645
(Pur)/Sale of Investments	-25	0	23	-929	657	0	0	0
CF from Investments	-4,681	-14,388	-14,452	-17,870	-24,355	-10,000	-42,670	-10,000
Issue of Shares	-910	-386	72	67	318	0	0	0
Inc/(Dec) in Debt	2,131	2,298	6,033	-17,279	13,982	-3,143	70,699	-6,126
Interest Paid	-1,079	-843	-835	-568	-777	-1,384	-2,619	-3,280
Dividend Paid	-875	-1,314	-1,616	-1,372	-1,465	-1,465	-1,465	-1,465
Others	1,253	172	-88	1,369	1,983	50	71	71
					44040	= 0.40		
	520	-73	3,566	-17,784	14,042	-5,942	66,686	-10,800
CF from Fin. Activity	520 -298	-73 2,905	3,566 3,312	-17,784 -2,868	7,482	-5,942 10,175	66,686 21,723	-10,800 16,846
CF from Fin. Activity Inc/Dec of Cash Opening Balance								
CF from Fin. Activity Inc/Dec of Cash	-298	2,905	3,312	-2,868	7,482	10,175	21,723	16,846

## NOTES

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

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17 January 2019

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- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
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