

<b>BSE Sensex</b> 19,561	<b>S&amp;P CNX</b> 5,923
Bloomberg	HNDL IN
Equity Shares (m)	1,990.0
M.Cap. (INR b)/(USD b)	222.9/4.1
52-Week Range (INR)	165/100
1,6,12 Rel. Perf. (%)	-11/-17/-37

## Financials & Valuation (INR b)

Y/E March	2013E	2014E	2015E
Sales	807.0	840.8	915.1
EBITDA	81.4	99.5	107.9
NP	33.6	39.7	39.5
Adj. EPS (INR)	16.9	20.0	19.9
EPS Gr(%)	-1.2	18.3	-0.5
BV/Sh. (INR)	98.1	116.3	134.4
RoE (%)	18.4	18.6	15.8
RoCE (%)	6.9	8.0	8.0
Payout (%)	10.4	8.8	8.8
<b>Valuations</b>			
P/E (x)	6.6	5.6	5.6
P/BV	1.1	1.0	0.8
EV/EBITDA (x)	7.8	6.5	5.7
Div. Yield (%)	1.3	1.3	1.3

**CMP: INR112**

**TP: INR175**

**Buy**

- Hindalco's standalone (S/A) EBITDA increased 13% QoQ to INR5.8b, in line with est of INR6b. Aluminum segment EBITDA fell short of est due to pressure on product premium, however was offset by better operating performance of copper segment, helped by better TcRc margins despite lower acid prices.
- Adj PAT increased 21% QoQ to INR4.3b due to higher EBITDA and other income partially offset by higher interest cost. Interest expense increased sharply to INR1.7b due to the recently-raised INR60b NCD.
- **Novelis:** Adjusted EBITDA was at USD185m, below est of USD252m, due to higher-than-expected loss of volumes on implementation of ERP system in North America and pressure on margins. ERP system implementation knocked off USD39m from the adjusted EBITDA. Including this, adjusted EBITDA would have been USD224m (USD345/t) v/s est of USD252m (USD350/t).
- **Novelis:** Barring auto segment, the margin pressure is visible across all segments due to slowdown in European and Chinese demand. Novelis is trying to mitigate the pressure on margins by effective cost management, increased recycling (+5pp YoY to 44%), and growth in high margin businesses of auto segment in North America and CAN business in Brazil.
- We expect capex to peak for Hindalco in FY13, with a total estimated consolidated capex of USD2.5b across all its projects. Mahan and Utkal alumina projects in India and Novelis' projects will start generating cash flows in FY14. Hence, we expect deleveraging of balance sheet to start in FY14.
- We have cut FY13E/FY14E/FY15E EPS by 12%/4%/13% to factor lower margins in Novelis and lower volumes in standalone operations. SOTP is cut by 6% to INR175. Stock is trading at FY15E EV/EBITDA of 5.7x. Maintain **Buy**.

## Quarterly Performance (Standalone)

Y/E March	FY12				FY13				FY12	FY13E	FY13 vs Est	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE				
Alumina (Production, kt)	335	332	343	345	335	328	326	365	1,355	1,354	355	-8
Aluminium (sales, kt)	131	129	147	149	124	127	135	145	556	530	135	0
Copper (sales, kt)	73	75	84	94	71	73	82	90	325	316	86	-5
<b>Net Sales</b>	<b>60,309</b>	<b>62,719</b>	<b>66,470</b>	<b>76,471</b>	<b>60,279</b>	<b>61,635</b>	<b>68,717</b>	<b>76,562</b>	<b>265,968</b>	<b>267,194</b>	<b>69,662</b>	<b>-1</b>
<b>EBITDA</b>	<b>8,671</b>	<b>6,692</b>	<b>7,149</b>	<b>8,648</b>	<b>4,631</b>	<b>5,153</b>	<b>5,821</b>	<b>7,284</b>	<b>31,160</b>	<b>22,889</b>	<b>6,021</b>	<b>-3</b>
As % of Net Sales	14.4	10.7	10.8	11.3	7.7	8.4	8.5	9.5	11.7	8.6	8.6	
<b>EBITDA - Aluminium</b>	<b>6,761</b>	<b>4,758</b>	<b>4,532</b>	<b>5,258</b>	<b>3,415</b>	<b>2,609</b>	<b>3,110</b>	<b>4,862</b>	<b>21,309</b>	<b>13,997</b>	<b>3,719</b>	<b>-16</b>
<b>EBITDA-Copper</b>	<b>1,909</b>	<b>1,935</b>	<b>2,618</b>	<b>3,390</b>	<b>1,216</b>	<b>2,544</b>	<b>2,711</b>	<b>2,422</b>	<b>9,851</b>	<b>8,892</b>	<b>2,302</b>	<b>18</b>
Interest	667	675	793	801	815	279	1,690	1,500	2,936	4,283	290	483
Depreciation	1,754	1,741	1,747	1,658	1,705	1,728	1,884	1,824	6,900	7,139	1,782	6
Other Income	1,779	1,761	901	1,605	3,014	1,324	3,181	1,637	6,046	9,156	919	246
<b>PBT (after EO item)</b>	<b>8,029</b>	<b>6,037</b>	<b>5,509</b>	<b>7,794</b>	<b>5,126</b>	<b>4,471</b>	<b>5,428</b>	<b>5,597</b>	<b>27,370</b>	<b>20,622</b>	<b>4,868</b>	<b>12</b>
Total Tax	1,589	1,012	1,002	1,395	878	882	1,093	1,175	4,998	4,029	1,022	7
% Tax	19.8	16.8	18.2	17.9	17.1	19.7	20.1	21.0	18.3	19.5	21.0	-4.1
<b>Adjusted PAT</b>	<b>6,440</b>	<b>5,025</b>	<b>4,507</b>	<b>6,400</b>	<b>4,248</b>	<b>3,589</b>	<b>4,335</b>	<b>4,422</b>	<b>22,372</b>	<b>16,594</b>	<b>3,846</b>	<b>13</b>
Novelis Shipments (kt)	767	720	648	703	722	719	647	750	2,838	2,838	720	-10
Novelis adj. EBITDA (USDm)	306	301	213	233	259	277	185	259	1,053	980	252	-27
<b>Consolidated Financials</b>												
Net Sales	199,487	193,373	191,934	207,190	199,157	197,013	194,302	216,514	808,214	807,025	200,915	-3
EBITDA	23,637	21,634	19,288	21,611	20,023	21,803	17,114	22,533	81,897	81,426	20,943	-18
Consolidated adj. PAT	11,772	10,784	7,519	10,141	8,741	8,977	5,912	8,756	33,970	33,573	8,128	-27

E: MOSL Estimates

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**Standalone: EBITDA in-line (copper did better offsetting aluminum); Interest expense and other income were higher**

- EBITDA increased 13% QoQ to INR5.8b, in line with est of INR6b driven by 19% growth in aluminum EBITDA to INR3.1b and 7% growth in copper EBITDA to INR2.7b. Aluminum segment EBITDA fell short of estimate due to pressure on product premium, however was offset by better operating performance of copper segment, helped by better TcRc margins despite lower acid prices.
- Net sales increased 11% QoQ to INR68.7b driven by 5% growth in aluminum segment and 15% growth in copper segment
- Adj PAT increased 21% QoQ to INR4.3b due to higher EBITDA and other income partially offset by higher interest cost.
- Other income too increased sharply to INR3.2b, which included INR1.44b due to write-back of various MTM provisions made in the past.
- Utkal alumina and Mahan smelters are now close to commissioning. Hirakud FRP mill has already rolled the first slab. Hindalco has invested a total of INR270b (INR22.7b in 3QFY13) in all Indian projects so far, which is still reflecting in CWIP on the balance sheet.
- Interest expense increased sharply to INR1.7b due to INR60b of debt raised through NCD. Although this money has been raised to fund projects, yet the interest charge will not be capitalized because it is being treated as equity rather than debt in respective projects. This however is immaterial from the point of view of consolidated interest cost for the company.

**Copper: margins stable as better TcRc offset lower acid realization**

- Copper segment revenue's 15% growth was driven by 12% growth in sales volumes to 82kt. Production of copper increased 8% QoQ to 84kt.
- EBIT increased 8% QoQ to INR2.25b due to corresponding increase in the volumes. EBIT was flat QoQ at 23.1USc/lb. Slightly better TcRc offset significantly lower acid realization.

**Aluminum: production is returning to full capacity; product premiums under pressure**

- Aluminum segment revenue increased by 5% QoQ to INR24.9b driven by 6% growth in sales volume to 135kt. Production increased by 9% to 139kt due to normalization of smelter after set back in operations during 1HFY13.
- The average realization declined 1% QoQ due to pressure on regional premiums.
- We were expecting 2% growth in realization because average LME was higher by 4%, while the exchange rate was 2% lower. The realization of alumina and rolled product declined 3% QoQ and ingots by 1% QoQ.
- EBIT increased 22% QoQ to INR2.06b due to 6% growth in volumes and 18% growth in EBIT/ton to USD283.
- Cost of production of primary metal is estimated to have increased by 2% to USD1,883/ton.

**Hindalco Aluminium Business (INR m)**

	1QFY12	2QFY12	3QFY12	4QFY12	1QFY13	2QFY13	3QFY13	4QFY13E
Segmental Revenue	20,931	22,132	22,362	24,986	20,626	21,049	22,155	24,872
less: Alumina	1,660	2,020	1,980	2,170	2,930	2,160	2,170	2,170
(a) Revenue (only Aluminium products)	19,271	20,112	20,382	22,816	17,696	18,889	19,985	22,702
Sales (000 tons)	131	129	147	149	124	127	135	145
Realization (INR/ton)	147,110	155,907	138,652	152,942	142,862	148,732	148,584	156,565
EBITDA	6,761	4,758	4,532	5,258	3,415	2,609	3,110	4,862
Less: Alumina EBITDA (50% mar.assumed)	830	1,010	990	1,085	1,465	1,080	1,085	1,085
(b) EBITDA (only Aluminium products)	5,931	3,748	3,542	4,173	1,950	1,529	2,025	3,777
Costs (a - b)	13,340	16,364	16,840	18,643	15,745	17,360	17,960	18,925
Aluminium costs (INR/ton)	101,833	126,854	114,559	124,968	127,116	136,692	133,528	130,517
USD/INR	44.7	45.4	51.0	50.2	54.5	55.5	54.2	54.0
LME (USD/ton)	2,598	2,398	2,090	2,175	1,978	1,918	2,011	2,100
<b>Aluminium costs (USD/ton)</b>	<b>2,276</b>	<b>2,794</b>	<b>2,246</b>	<b>2,491</b>	<b>2,332</b>	<b>2,463</b>	<b>2,466</b>	<b>2,417</b>
Realization (USD/ton)	3,288	3,434	2,719	3,049	2,621	2,680	2,744	2,899
Product premium over LME	690	1,036	629	874	643	762	733	799
<b>EBITDA per ton (USD)</b>	<b>1,012</b>	<b>640</b>	<b>472</b>	<b>558</b>	<b>289</b>	<b>217</b>	<b>278</b>	<b>482</b>
<b>~ COP (LME - EBITDA/t +150)</b>	<b>1,736</b>	<b>1,908</b>	<b>1,768</b>	<b>1,767</b>	<b>1,839</b>	<b>1,851</b>	<b>1,883</b>	<b>1,768</b>

Source: Company, MOSL

**Project Status (India)**

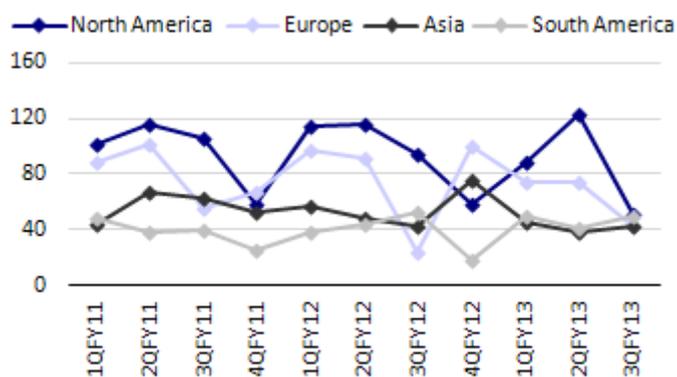
- Hindalco has invested a total of INR270b (INR22.7b in 3QFY13) in all Indian projects so far, which is still sitting in CWIP on the balance sheet. Net debt (standalone) is now at INR150b (up INR9.6b QoQ).
- Utkal alumina and Mahan smelters are now close to commissioning. The trial runs are expected within couple of months. The phased commissioning is expected during 1QFY14 on expected line. Hirakud FRP mill has already rolled first slab. Other equipments like scalper, soaking pit and slitter commenced trial runs.

**Novelis 3QFY13: below estimates; pricing pressure visible; growth in high margin business is positive**

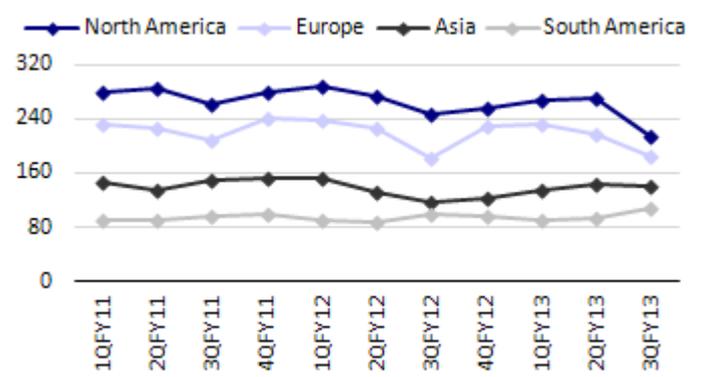
- Novelis' adjusted EBITDA at USD185m, below est. of USD252m due to higher than expected loss of volumes on implementation of ERP system in North America and pressure on margins.
- ERP system implementation knocked-off USD39m from the adjusted EBITDA. Including this, the adjusted EBITDA would have been USD224m (USD345/t) vs est. of USD252m (USD350/t).
- In addition, unfavorable pricing dynamics in several regions, higher metal input costs in North America, and incremental project start-up costs associated with its global expansions affected margins.
- FRP Shipments were flat YoY at 647kt i.e. 10% lower than est. of 720kt. Volumes were affected due to higher than expected impact of implementation of ERP system in North America and season pattern in demand.
- Novelis invested heavily during the quarter with a total CapEx of USD193m (USD538m in 9mFY13). CapEx guidance has been increased from USD600-650m to USD750 for FY13 as some of the CapEx for European recycling facilities has been up fronted to benefit from incentives in project cost. Although FY14 exact CapEx guidance has not been firmed up, yet the overall spend will decline YoY. Free cash flows were negative USD309m during the quarter due to CapEx, half yearly interest payment of USD107m on bonds, and working capital increase.

- Barring auto segment, the margin pressure is visible across all segments due to slow down in European and Chinese demand. Novelis is trying to mitigate the pressure on margins by effective cost management, increased recycling (+5pp YoY to 44%), and growth in high margin businesses of auto segment in North America and CAN business in Brazil. During FY14, recently commissioned Pinda FRP plant and expected commissioning of new 200kt auto line in Oswego, USA will drive volumes and margins. Further, 350ktpa Korean FRP mill expansion will drive volumes in FY15.
- We are cutting FY13 EBITDA by 7.3% to USD980m to factor lower EBITDA in 3QFY13. Also, we have cut margins by USD5 to USD345/t in subsequent quarters.

Segment Adj. EBITDA (USD m)



Segment volumes (KT)



Source: Company, MOSL

**North America: ERP implementation affected volumes; new auto line in middle of 2013 will drive volume and margins**

- Segment EBITDA declined 46% YoY to USD94m due to higher than anticipated impact on volumes by ERP implementation in two plants and reduced benefit from scrap and metal mix. Volumes decline 14% YoY. After adjustment for ERP lost volume, shipments declined 4% due to loss of one customer. ERP alone contributed USD40m loss of business opportunity during the quarter.
- The performance is expected to improve in subsequent quarters because the ERP implementation related issues are already behind as production has normalized in December and January.
- Auto segment continues to witness strong demand and margins, which will continue to counter the effect of some margin pressure seen in other market segments. In middle of 2013, 200ktpa Oswego auto unit will be commissioned, which will provide both margins and volumes.

**South America: best ever quarterly volumes but margins were lower; new Pinda mill will drive volumes in FY14 and FY15**

- Segment EBITDA was down 4% YoY to USD50m due to pricing pressure, product mix, adverse exchange rate and higher SGA partially offset by lower costs.
- Registered highest quarterly CAN sales volumes of 107kt (+ 7% YoY).
- EBITDA per ton was USD467/t (+5% QoQ, -10% YoY).

- 220ktpa Pinda FRP mill at CapEx of USD325m was commissioned in December 2012. The mill will be ramped up gradually during FY14-15 along with growth in demand in the region.

### Europe: relevant volumes up 8%; some margin pressure

- Segment EBITDA increased 75% YoY to USD42m driven by 2% higher volumes. EBITDA per ton increased 72% YoY (-34% QoQ) to USD226.
- Excluding the lost volume due to sale of 3 foil units earlier, the volumes were higher by 8%. There was net benefit of USD15m YoY (+USD23m for volume + USD8m for costs - USD16 for lower conversion premium and product mix). There was pricing pressure on specialties products.
- Conversion cost was favorable due to higher utilization of scrap and higher discount thereon, which was partially offset by higher wages.

### Asia: Chinese competition is gaining metal cost advantage; Increased recycling is partially offsetting the impact on margins

- Segment EBITDA declined 2% YoY to USD42m due to pricing pressure despite 20% higher volumes. EBITDA per ton declined 18% YoY (+9% QoQ) to USD300.
- Slower Chinese demand growth led to pricing pressure. The reversal of arbitrage between LME and SHFE coupled with higher Japanese physical premiums has increased the relative cost of buying metal w.r.t. Chinese FRP producers leading to pricing pressure. This was partially offset by higher recycling and favorable discounts.
- 265ktpa Yeongju recycling plant became operational in October 2012 and is likely to result in significant mitigation of reversal of SHFE vs LME arbitrage.
- 355ktpa FRP expansion in Korea is expected to be commissioned by end of 2013, which will drive volumes in FY15.

#### Quarterly Performance (Novelis)

Y/E March	FY12				FY13				FY12	FY13E	(USD Million)	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE			3QE	vs Est (%)
Sales (000 tons)	767	720	648	703	722	719	647	750	2,838	2,838	720	-10
Change (YoY %)	2.8	-2.3	-9.4	-8.8	-5.9	-0.1	-0.2	6.7	-4.4		11.1	
Net Sales	3,113	2,880	2,462	2,608	2,550	2,441	2,321	2,594	11,063	9,906	2,426	-4
Change (YoY %)	22.9	14.1	-3.8	-11.9	-18.1	-15.2	-5.7	-0.6	4.6	-10.5	-1.5	
EBITDA (adjusted)	306	301	213	233	259	277	185	259	1,053	980	252	-27
Change (YoY %)	16.3	3.4	-10.5	-16.8	-15.4	-8.0	-13.1	11.1	-1.8	-7.0	18.3	
As % of Net Sales	9.8	10.5	8.7	8.9	10.2	11.3	8.0	10.0	9.5	9.9	10.4	
EBITDA per ton (USD)	399	418	329	331	359	385	286	345	371	345	350	-18
Interest	73	73	71	73	73	72	74	74	290	293	72	3
Depreciation	89	81	79	80	73	69	76	75	329	293	75	1
PBT (before EO item)	144	147	63	80	113	136	35	110	434	394	105	-67
Extra-ordinary Income	(8)	(24)	(84)	(189)	(1)	(49)	(21)	-	(305)	(71)	-	
PBT (after EO item)	136	123	-21	-109	112	87	14	110	129	323	105	-87
Total Tax	59	-7	-10	-3	21	37	11	33	39	102	32	-65
% Tax	43.4	-5.7	47.6	2.8	18.8	42.5	78.6	30.0	30.2	31.6	30.0	
PAT before minority	77	130	-11	-106	91	50	3	77	90	221	74	-96
Minority interest	15	10	1	1		1			27	1		
Reported PAT	62	120	-12	-107	91	49	3	77	63	220	74	-96
Adjusted PAT	116	124	56	72	77	92	24	75	368	268	74	-68

E: MOSL Estimates

**Target price calculations**

EBITDA	107,935
EV/EBTIDA (x)	5.0
Target EV	539,673
Net Debt	397,031
EQ = (EV-net Debt)	142,642
A. INR/share(EQ)	72
CWIP	190,638
B. INR/share (CWIP)	96
C. discount factor (%)	12
D. Invest. (quoted)	47,630
E. INR/share (invest.)	24
F. discount factor (%)	20
<b>TP (A+B*(1-C%)+E*(1-F%))</b>	<b>175</b>

Source: MOSL

**Valuation and view**

- We expect CapEx to peak for Hindalco in FY13 with a total estimated consolidated CapEx of USD2.5b across all its projects. Mahan and Utkal Alumina projects in India and Novelis' projects will start generating cash flows in FY14. As a result, we expect deleveraging of balance sheet to start in FY14.
- We have cut FY13/FY14/FY15 EPS by 12%/4%/13% to factor lower margins in Novelis and lower volumes in standalone operations. The SOTP is cut by 6% to INR175. The stock is trading at FY15 EV/EBITDA of 5.7x. Maintain **Buy**.

## Hindalco: an investment profile

### Company description

Hindalco Industries (HNDL) is the largest aluminum producer in India and has captive bauxite mines from which it sources ~67% of requirements for its 1.5mtpa alumina refinery. Company also has a 0.54mtpa smelting capacity and is the largest maker of flat rolled aluminum products in India. After turning Novelis around in 2010, HNDL is focusing on tripling its aluminum production capacity in India in the next three years through brownfield and greenfield projects. Its copper smelting capacity of 500ktpa is the largest in Asia.

### Key investment arguments

- Company's new smelting capacities are coming up near energy sources and alumina facilities are near bauxite mines, thus ensuring low cost of production.
- We expect Novelis to deliver strong earnings growth, given its focus on high margin business, expansions in key markets and continued efforts to improve operating efficiencies across locations.

### Key investment risks

- An unexpected fall in aluminum prices, sluggish growth in developed countries and further delays in expansion activities could adversely impact earnings.

### Recent developments

- Hirakud FRP mill has rolled out first slab. Other equipments like scalper, soaking pit and slitter had commenced trial runs.

### Valuation and view

- The stock is trading at FY15E EV/EBITDA of 5.7x. Maintain **Buy**.

### Sector view

- Aluminum prices have risen 4% QoQ, while spot premium has shot up to all-time high levels. Weak LME and high operating cost resulted in shutdowns of 2-3mt of smelter capacities globally. Hence, LME prices are expected to improve from the current levels. We factor aluminum prices of USD2,100/t in FY14E.

### Comparative valuations

		Hindalco	Nalco	Sesa -Sterlite
P/E (x)	FY13E	6.6	22.5	4.4
	FY14E	5.6	15.6	5.1
P/BV (x)	FY13E	1.1	1.0	0.7
	FY14E	1.0	1.0	0.6
EV/Sales (x)	FY13E	0.8	1.2	1.3
	FY14E	0.8	1.2	1.3
EV/EBITDA (x)	FY13E	7.8	10.3	5.4
	FY14E	6.5	7.6	5.0

### Shareholding Pattern (%)

	Dec-12	Sep-12	Dec-11
Promoter	32.1	32.1	32.1
Domestic Inst	14.7	14.8	15.5
Foreign	37.8	37.3	37.1
Others	15.5	15.9	15.3

### EPS: MOSL forecast v/s consensus (INR)

	MOSL forecast	Consensus forecast	Variation (%)
FY13	16.9	15.1	11.6
FY14	20.0	16.2	23.8

### Target price and recommendation

Current Price (INR)	Target Price (INR)	Upside (%)	Reco.
112	175	56.3	Buy

### Stock performance (1 year)



## Financials and Valuation

Income Statement (Consolidated)		(INR Million)			
Y/E March	2012	2013E	2014E	2015E	
Net sales	808,214	807,025	840,785	915,071	
Change (%)	12.1	-0.1	4.2	8.8	
Total Expenses	726,316	725,599	741,331	807,137	
<b>EBITDA</b>	<b>81,897</b>	<b>81,426</b>	<b>99,454</b>	<b>107,935</b>	
% of Net Sales	10.1	10.1	11.8	11.8	
Depn. & Amortization	28,699	25,312	29,057	33,603	
<b>EBIT</b>	<b>53,199</b>	<b>56,114</b>	<b>70,396</b>	<b>74,331</b>	
Net Interest	17,579	20,263	24,648	29,860	
Other income	7,831	9,697	7,265	8,625	
<b>PBT before EO</b>	<b>43,450</b>	<b>45,549</b>	<b>53,013</b>	<b>53,096</b>	
EO income		-3,872			
<b>PBT after EO</b>	<b>43,450</b>	<b>41,677</b>	<b>53,013</b>	<b>53,096</b>	
Current tax	7,862	8,211	9,238	8,514	
Deferred tax		2,650	2,983	3,993	
Tax	7,862	10,861	12,220	12,507	
Rate (%)	18.1	26.1	23.1	23.6	
<b>Reported PAT</b>	<b>35,587</b>	<b>30,816</b>	<b>40,793</b>	<b>40,589</b>	
Minority interests	2,113	1,144	1,089	1,089	
Share of asso.	496	29	29	29	
<b>Adjusted PAT</b>	<b>33,970</b>	<b>33,573</b>	<b>39,733</b>	<b>39,529</b>	
Change (%)	-2.9	-1.2	18.3	-0.5	

Balance Sheet		(INR Million)			
Y/E March	2012	2013E	2014E	2015E	
Share Capital	1,991	1,991	1,991	1,991	
Reserves	317,123	343,330	379,569	415,604	
<b>Net Worth</b>	<b>319,113</b>	<b>345,320</b>	<b>381,560</b>	<b>417,595</b>	
Minority Interest	17,091	18,235	19,324	20,414	
Total Loans	410,419	450,419	460,419	470,421	
Deferred Tax Liability	36,050	38,700	41,683	45,676	
<b>Capital Employed</b>	<b>782,673</b>	<b>852,674</b>	<b>902,985</b>	<b>954,105</b>	
Gross Block	428,945	480,162	619,062	719,162	
Less: Accum. Deprn.	186,608	211,919	240,977	274,580	
<b>Net Fixed Assets</b>	<b>242,338</b>	<b>268,243</b>	<b>378,085</b>	<b>444,582</b>	
Goodwill on consolidati	150,097	150,097	150,097	150,097	
Capital WIP	227,981	312,467	248,360	190,638	
Investments	17,483	17,483	17,483	17,483	
<b>Curr. Assets</b>	<b>376,124</b>	<b>337,204</b>	<b>346,943</b>	<b>399,400</b>	
Inventory	132,460	132,943	140,111	151,689	
Account Receivables	80,172	81,792	84,605	92,384	
Cash and Bank Balance	81,556	40,532	40,289	73,390	
Others	81,937	81,937	81,937	81,937	
<b>Curr. Liability &amp; Prov.</b>	<b>231,350</b>	<b>232,819</b>	<b>237,982</b>	<b>248,095</b>	
Account Payables	110,522	111,991	117,154	127,267	
Provisions & Others	120,828	120,828	120,828	120,828	
<b>Net Current Assets</b>	<b>144,775</b>	<b>104,384</b>	<b>108,961</b>	<b>151,305</b>	
<b>Appl. of Funds</b>	<b>782,673</b>	<b>852,674</b>	<b>902,985</b>	<b>954,105</b>	

E: MOSL Estimates

Ratios					
Y/E March	2012	2013E	2014E	2015E	
<b>Basic (INR)</b>					
EPS	17.1	16.9	20.0	19.9	
Cash EPS	32.3	28.2	35.1	37.3	
BV/Share (adj.)	84.9	98.1	116.3	134.4	
DPS	1.5	1.5	1.5	1.5	
Payout (%)	10.3	10.4	8.8	8.8	
<b>Valuation (x)</b>					
P/E	6.6	6.6	5.6	5.6	
Cash P/E	3.5	4.0	3.2	3.0	
P/BV	1.3	1.1	1.0	0.8	
EV/Sales	0.7	0.8	0.8	0.7	
EV/EBITDA	6.7	7.8	6.5	5.7	
Dividend Yield (%)	1.3	1.3	1.3	1.3	
<b>Return Ratios (%)</b>					
EBITDA Margins (%)	10.1	10.1	11.8	11.8	
Net Profit Margins (%)	4.2	4.2	4.7	4.3	
RoE	20.3	18.4	18.6	15.8	
RoCE (pre-tax)	7.5	6.9	8.0	8.0	
RoIC (pre-tax)	11.7	12.0	13.0	11.7	
<b>Working Capital Ratios</b>					
Fixed Asset Turnover (x)	1.9	1.7	1.4	1.3	
Asset Turnover (x)	1.0	0.9	0.9	1.0	
Debtor (Days)	36.2	37.0	36.7	36.8	
Inventory (Days)	59.8	60.1	60.8	60.5	
Payable (Days)	49.9	50.7	50.9	50.8	
<b>Leverage Ratio (x)</b>					
Current Ratio	1.6	1.4	1.5	1.6	
Interest Cover Ratio	3.0	2.8	2.9	2.5	
Debt/Equity	1.9	2.1	1.8	1.5	

Cash Flow Statement		(INR Million)			
Y/E March	2012	2013E	2014E	2015E	
EBITDA	81,897	81,426	99,454	107,935	
Non - cash expense	14,415	-3872			
tax paid	-10,901	-8,211	-9,238	-8,514	
Change in working Capit	-9,322	-634	-4,818	-9,244	
<b>CF from Op. Activity</b>	<b>76,090</b>	<b>68,710</b>	<b>85,398</b>	<b>90,177</b>	
(Inc)/Dec in FA + CWIP	-124,007	-135,703	-74,793	-42,379	
(Pur)/Sale of Investment	-13,277	9,726	7,294	8,654	
Others	-5,660				
<b>CF from Inv. Activity</b>	<b>-142,945</b>	<b>-125,977</b>	<b>-67,499</b>	<b>-33,725</b>	
Equity raised/(repaid)	10,861				
Debt raised/(repaid)	89,511	40,000	10,000	10,002	
Interest	-28,531	-20,263	-24,648	-29,860	
Dividend (incl. tax)	-4,110	-3,494	-3,494	-3,494	
<b>CF from Fin. Activity</b>	<b>67,731</b>	<b>16,244</b>	<b>-18,142</b>	<b>-23,351</b>	
(Inc)/Dec in Cash	876	-41,024	-242	33,100	
Add: Opening Balance	80,680	81,556	40,532	40,289	
<b>Closing Balance</b>	<b>81,556</b>	<b>40,532</b>	<b>40,289</b>	<b>73,390</b>	

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