VEDANTA

Partial revocation of power plant closure a welcome relief



India Equity Research | Metals and Mining

In a positive development, the Odisha State Pollution Control Board (SPCB) has revoked closure of Vedanta's (VEDL's) 2x135MW and 1x60MW plants at Jharsuguda. Management mentioned that VEDL will now not need to source external power to meet its operating requirements and expressed hope that the closure order for the remaining plants would also be lifted soon. We had highlighted possibility of quick resolution of the issue in our note Vedanta - Partial closure of power plants: Marginal impact; event update; BUY. We maintain 'BUY' with an unchanged target price of INR350, implying an exit multiple of 4.6x FY19E EBITDA.

Partial revocation of power plant closure a positive

We view Odisha SPCB revoking closure of VEDL's 2 units of 135MW (out of 3) and 1 unit of 600MW (out of 2) as a key positive for the company. Hence, VEDL will not have to externally source 200MW of power. Management mentioned VEDL had submitted its Action Plan as required by SPCB and the revocation followed thereon. As a part of its Action Plan, VEDL will be able to dump fly ash in the spare lagoon on the site and hence the problem might not recur. Management also expressed hope that closure of the remaining 2 plants would also be revoked soon.

Smelter operations unlikely to be impacted

We see uncertainty in smelter operations to be significantly lower now as the power capacity is enough to meet requirements. However, the power requirement is expected to rise progressively as the impacted pots at Jharsuguda-1 are brought back to operations and Lines 1 and 3 ramp-up at Jharsuguda-2. In our view, the issue will likely be sorted out and in-house generation capacity will match higher requirements.

Outlook and valuations: More triggers ahead; maintain 'BUY'

We are upbeat on the partial revocation of closure of VEDL's power plants at its Jharsuguda plant. We believe that in-house generation will cater to requirements of the smelter and any adverse impact arising from external power purchase is less likely. We maintain 'BUY/SO' with a target price of INR350 (4.6x FY19E EBITDA). At CMP, the stock is available at 4.3x FY19E.

Financials				(INR mn)
Year to March	FY16	FY17	FY18E	FY19E
Net revenue	679,927	761,713	837,870	932,456
EBITDA	151,516	213,319	272,234	303,359
Adjusted Profit	29,100	55,949	104,408	123,605
Diluted equity shares (mn)	2,965	2,965	3,717	3,717
Adjusted diluted EPS (INR)	9.8	18.9	28.1	33.3
EPS Growth (%)	(42.9)	92.3	48.8	18.4
EV/EBITDA (x)	9.4	6.2	5.2	4.3
ROAE (%)	(3.2)	12.8	15.4	15.3

EDELWEISS 4D R	ATINGS		
Absolute Rating		BUY	
Rating Relative to	Sector	Outp	perform
Risk Rating Relati	ive to Sect	or Med	lium
Sector Relative to	Market	Ove	rweight
MARKET DATA (R: VDAN.B	O, B: VED	L IN)
CMP		: INR	323
Target Price		: INR	350
52-week range (I	NR)	: 335	/ 163
Share in issue (m	: 3,71	7.2	
M cap (INR bn/U	SD mn)	: 1,19	9 / 18,616
Avg. Daily Vol.BS	E/NSE('000) : 12,6	02.3
SHARE HOLDING	PATTERN	1 (%)	
	Current	Q4FY17	Q3FY17
Promoters *	50.1	62.9	62.9
MF's, FI's & BK's	13.3	7.0	7.0
FII's	17.7	16.3	16.8
Others	18.8	13.8	13.3
* Promoters pledged (% of share in issu		:	NIL
PRICE PERFORMA	ANCE (%)		
Sto	ock Ni	ttv	Metals ndex

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September 21, 2017

1 month

3 months

12 months

9.2

37.6

100.9

3.2

5.9

15.6

1.7

(5.2)

(5.0)

Company Description

VEDL is a subsidiary of Vedanta Resources, the London-listed metals and mining group. VEDL is a globally leading diversified resources company with presence in oil & gas, zinc-leadsilver (through 64.9% stake in HZL and 100% stake in erstwhile zinc-lead business of Anglo American), copper, iron ore, aluminium and commercial power (largely in standalone business but in subsidiaries as well). The company was formed through the merger of Sterlite Industries into Sesa Goa along with acquisition of additional 38.8% stake in Cairn which was consummated in August 2013 and announced in February 2012. Cairn has stakes in the following producing blocks: 70% in Rajasthan RJ-ON-90/1, 22.5% in Ravva and 40% in Cambay block CB-OS/2. In its largest field in Rajasthan, the gross proved & probable Hydrocarbons Initially In Place (HIIP) stands at 6 bnboe. The MBA fields have gross ultimate oil recovery of over 1 bnbbls from primary, secondary and Enhanced Oil Recovery (EOR) methods. VEDL is the largest non-ferrous metals player in India with presence across all key base metals, viz. aluminium (0.8mtpa), copper (0.4mtpa) and zinc lead (1.0mtpa). The company entered the nonferrous metals sector as a pure play copper producer and through several strategic acquisitions acquired aluminium as well as zinc-lead assets. VEDL has ventured into commercial power generation business in India. It has a 2,400MW power plant (in Orissa) and is in the midst of adding another 1,980MW capacity (in Punjab). The company has iron ore mining assets in Goa and Karnataka (with reserves/resources of 433mt).

Investment Theme

VEDL's portfolio of resources business provides advantages of scale, diversification and strong balance sheet. The company benefits from ownership of low cost, cash rich oil & gas (Cairn) and zinc-lead-silver (HZL) businesses. It has globally competitive unit production costs in zinc, led by its quality captive mines. This aspect will help the company better withstand margin pressures during price downturns. In addition, ramp-up of 1,980MW power plant in Punjab will boost power generation volumes. In FY19, we expect ramp up of Zinc-India's production and Jharsuguda-2 smelter. Key potential triggers for the stock are success of enhanced oil recovery measures at Cairn, acquisition of Gol's residual stakes in BALCO and HZL and grant of bauxite and/or dolomite mining licenses. (not considered in our estimates and valuation)

Key Risks

- Fall in zinc prices or premiums.
- Decline in LME aluminium price or premiums
- Cairn: Exploration failure, reinvestment of cash generated into low return assets
- HZL: Lack of volume growth or increase in cash cost
- Lower than expected average tariffs.

Financial Statements

Key Assumptions					Income statement				(INR mn)
Year to March	FY16	FY17	FY18E	FY19E	Year to March	FY16	FY17	FY18E	FY19E
Macro					Net revenue	679,927	761,713	837,870	932,456
GDP(Y-o-Y %)	7.2	6.5	6.8	7.7	Materials costs	217,931	231,085	284,431	326,215
Inflation (Avg)	4.9	4.5	4.0	4.5	Employee costs	24,583	23,393	24,563	25,791
Repo rate (exit rate)	6.8	6.3	5.8	5.8	Total operating expenses	528,412	548,393	565,636	629,097
USD/INR (Avg)	65.0	67.5	65.0	66.0	EBITDA	151,516	213,319	272,234	303,359
Sector					Depreciation	85,724	62,915	78,459	77,173
Aluminium LME (USD/t)	1,591.0	1,689.0	1,775.0	1,775.0	EBIT	65,791	150,404	193,776	226,186
Zinc LME (USD/t)	1,829.0	2,366.0	2,600.0	2,650.0	Add: Other income	44,435.6	45,805.9	35,348.12	33,303.22
Lead LME (USD/t)	1,768.0	2,368.0	2,200.0	2,250.0	Less: Interest Expense	57,781	58,550	57,144	57,978
Copper Tc/Rc (c/lb)	22.0	24.0	24.0	24.0	Profit Before Tax	(285,402)	136,516	171,980	201,511
Company					Less: Provision for Tax	(106,776)	37,783	47,942	58,438
HZL-Zn production (tpa)	758,938	724,754	789,285	847,690	Extraordinary item	(337,847)	(1,144)	-	-
HZL-PB production (tpa)	145,000	153,550	160,950	166,500	Minority interest	(55,919)	43,584	19,630	19,468
HZL-Ag production (tpa)	425,000	488,750	513,188	525,000	Associate profit share	2	(27)	-	-
SA-Cu production (tpa)	372,600	392,850	400,000	400,000	Reported Profit	(122,705)	55,122	104,408	123,605
BALCO-Al production(tpa)	332,000	387,000	533,250	533,250	Adjusted Profit	29,100	55,949	104,408	123,605
BALCO-Power sales (MU)	133	133	-	-	Shares o /s (mn)	2,965	2,965	3,717	3,717
VAL-Al production (tpa)	592,000	786,000	785,000	950,000	Basic EPS (INR)	9.8	18.9	28.1	33.3
Intl Zn production (tpa)	189	172	172	219	Diluted shares o/s (mn)	2,965	2,965	3,717	3,717
Intl PB production (tpa)	35	3	1	1	Adjusted Diluted EPS	9.8	18.9	28.1	33.3
SEL-Power sales (MU)	7,319	5,803	5,803	5,803	Dividend per share (DPS)	4.1	17.7	18.0	18.0
HZL-Zn premium (USD/t)	214	359	357	350	Dividend Payout Ratio(%)	(11.8)	111.4	80.1	63.3
HZL-PB premium (USD/t)	232	298	308	308	Tax rate (%)	37.4	27.7	27.9	27.9
BALCO tariff (INR/unit)	3.5	3.5	3.5	3.5	-				
SEL tariff (INR/unit)	3.1	3.2	3.3	3.3	Common size metrics				
HZL-mfg cost (INR/t)	52,060	69,742	67,117	67,927	Year to March	FY16	FY17	FY18E	FY19E
BALCO-Power cost (INR/u)	3.3	3.5	3.5	3.5	Operating expenses	77.7	72.0	67.5	67.5
VAL-Alumina cost (INR/t)	15,619	24,264	24,108	26,578	Depreciation	12.6	8.3	9.4	8.3
VAL-Smelting cost(INR/t)	64,560	75,928	74,734	86,296	Interest Expense	8.5	7.7	6.8	6.2
Intl Zinc-cost (USD/t)	1,345	1,109	1,400	1,200	EBITDA margins	22.3	28.0	32.5	32.5
SEL-Fuel cost (INR/unit)	1.6	2.3	2.4	2.4	Net Profit margins	(3.9)	13.1	14.8	15.3
Employee exp growth (%)	(15.7)	(4.8)	5.0	5.0					
Increase in SG&A exp (%)	17.4	8.3	(16.2)	8.0	Growth ratios (%)				
Avg. Interest rate (%)	7.6	8.5	8.7	8.7	Year to March	FY16	FY17	FY18E	FY19E
Depreciation rate (%)	7.6	4.3	4.9	4.4	Revenues	(7.8)	12.0	10.0	11.3
Tax rate (%)	37.4	27.7	27.9	27.9	EBITDA	(31.3)	40.8	27.6	11.4
Dividend payout (%)	(11.8)	111.4	80.1	63.3	Adjusted Profit	(42.9)	92.3	86.6	18.4
Net borrowings (INR mn)	107,318	218,131	62,190	(70,945)	EPS	(42.9)	92.3	48.8	18.4
Capex (INR mn)	54,119	54,360	75,169	75,169					
Debtor days	16	14	14	14					
Inventory days	138	147	139	139					
Payable days	177	289	273	273					
Cash conversion cycle	(22)	(127)	(120)	(120)					
	(/	(==//	(===)	(===)					

Metals and Mining

Balance sheet				(INR mn)	Cash flow metrics				
As on 31st March	FY16	FY17	FY18E	FY19E	Year to March	FY16	FY17	FY18E	FY19E
Share capital	2,965	3,718	3,718	3,718	Operating cash flow	203,769	179,770	222,147	232,978
Reserves & Surplus	437,427	601,284	699,029	822,634	Investing cash flow	(78,628)	27,106	38,460	36,415
Shareholders' funds	440,392	605,001	702,746	826,351	Financing cash flow	(113,081)	(123,490)	(168,425)	(169,259)
Minority Interest	365,611	139,279	158,909	178,377	Net cash Flow	12,061	83,386	92,182	100,135
Short term borrowings	183,994	413,139	413,139	413,139	Capex	(54,119)	(54,360)	(75,169)	(75,169)
Long term borrowings	493,784	302,551	269,551	236,551	Dividend paid	(32,218)	(96,726)	(78,281)	(78,281)
Total Borrowings	677,778	715,690	682,690	649,690					
Long Term Liabilities	56,100	75,340	106,099	106,099	Profitability and efficiency ratios				
Def. Tax Liability (net)	32,508	20,837	20,837	20,837	Year to March	FY16	FY17	FY18E	FY19E
Sources of funds	1,572,389	1,556,147	1,671,281	1,781,354	ROAE (%)	(3.2)	12.8	15.4	15.3
Gross Block	1,386,994	1,528,301	1,678,301	1,828,301	ROACE (%)	7.0	13.3	15.3	16.2
Net Block	662,983	758,344	829,886	902,713	Inventory Days	138	147	139	139
Capital work in progress	279,260	176,709	101,878	27,046	Debtors Days	16	14	14	14
Intangible Assets	114,676	108,062	108,062	108,062	Payable Days	177	289	273	273
Total Fixed Assets	1,056,918	1,043,116	1,039,826	1,037,822	Cash Conversion Cycle	(22)	(127)	(120)	(120)
Non current investments	166,619	167,527	167,527	167,527	Current Ratio	1.9	1.8	2.0	2.2
Cash and Equivalents	570,460	610,119	733,060	833,195	Gross Debt/EBITDA	4.5	3.4	2.5	2.1
Inventories	80,117	96,279	120,837	128,174	Gross Debt/Equity	0.8	1.0	0.8	0.6
Sundry Debtors	25,279	34,093	31,215	41,466	Adjusted Debt/Equity	0.8	1.0	0.8	0.6
Loans & Advances	819	792	792	792	Net Debt/Equity	0.1	0.1	(0.1)	(0.2)
Other Current Assets	52,100	38,370	38,370	38,370	Interest Coverage Ratio	1.1	2.6	3.4	3.9
Current Assets (ex cash)	158,314	169,534	191,214	208,802					
Trade payable	161,624	184,591	241,547	247,193	Operating ratios				
Other Current Liab	218,299	249,558	218,799	218,799	Year to March	FY16	FY17	FY18E	FY19E
Total Current Liab	379,923	434,149	460,346	465,992	Total Asset Turnover	0.4	0.5	0.5	0.5
Net Curr Assets-ex cash	(221,609)	(264,615)	(269,132)	(257,190)	Fixed Asset Turnover	0.9	0.9	0.9	1.0
Uses of funds	1,572,389	1,556,147	1,671,281	1,781,354	Equity Turnover	0.8	1.0	1.0	1.0
BVPS (INR)	148.5	204.0	189.1	222.3					
					Valuation parameters				
Free cash flow				(INR mn)	Year to March	FY16	FY17	FY18E	FY19E
Year to March	FY16	FY17	FY18E	FY19E	Adj. Diluted EPS (INR)	9.8	18.9	28.1	33.3
Reported Profit	(122,705)	55,122	104,408	123,605	Y-o-Y growth (%)	(42.9)	92.3	48.8	18.4
Add: Depreciation	85,724	62,915	78,459	77,173	Adjusted Cash EPS (INR)	44.2	45.6	49.2	54.0
Interest (Net of Tax)	36,164	42,346	41,214	41,816	EV / Sales (x)	2.1	1.7	1.7	1.4
Others	127,565	1,429	(6,452)	2,327	EV / EBITDA (x)	9.4	6.2	5.2	4.3
Less: Changes in WC	(77,021)	(17,959)	(4,517)	11,942					

Peer comparison valuation

Operating cash flow

Less: Capex

Free Cash Flow

	Market cap	Diluted P/E (X)		EV / EBITDA	EV / EBITDA (X))
Name	(USD mn)	FY18E	FY19E	FY18E	FY19E	FY18E	FY19E
Vedanta	18,616	-	-	5.2	4.3	15.4	15.3
Hindalco Industries	8,485	11.2	10.5	6.9	6.4	9.9	9.5
National Aluminium Co Ltd	2,471	17.7	15.7	8.2	7.5	8.5	9.1
Median	-	11.2	10.5	6.9	6.4	9.9	9.5
AVERAGE	-	9.6	8.7	6.8	6.1	11.3	11.3

232,978

75,169

Source: Edelweiss research

203,769 179,770 222,147

54,360

149,650 125,410 146,978 157,809

75,169

54,119

Additional Data

Directors Data

Anil Agarwal	Chairman Emeritius	Navin Agarwal	Executive Chairman
Kuldip Kaura	Interim CEO	Lalita D. Gupte	Non-Executive Independent Director
Ravi Kant	Non-Executive Independent Director	Naresh Chandra	Non-Executive Independent Director
Tarun Jain	Wholetime Director	Arun Kumar	Chief Financial Officer
Anuradha Dutt	Non-Executive Independent Director		

Auditors - Deloitte Haskins & Sells

*as per last annual report

Holding - Top10

	Perc. Holding		Perc. Holding
Twinstar holdings It	34.44	Finsider internation	10.8
Life insurance corp	7.25	Cairn uk holdings li	4.95
Birla sun life asset	3.31	Dimensional fund adv	1.89
Hdfc asset managemen	1.57	Vanguard group	1.53
Blackrock	1.34	Westglobe Itd	1.19

*in last one year

Bulk Deals

Data	Acquired / Seller	B/S	Qty Traded	Price	
No Data Available					

*in last one year

Insider Trades

Reporting Data	Acquired / Seller	B/S	Qty Traded
12 Apr 2017	Pravin Agarwal	Buy	18500.00
10 Nov 2016	Ankit Agarwal	Sell	36400.00

*in last one year

E₁

Company	Absolute	Relative	Relative	Company	Absolute	Relative	Relative
	reco	reco	risk		reco	reco	Risk
Coal India	BUY	SO	М	Hindalco Industries	BUY	SO	M
Hindustan Zinc	BUY	SO	L	Jindal Steel & Power	BUY	SO	M
JSW Steel	REDUCE	SP	Н	NMDC	HOLD	SP	M
Steel Authority of India	REDUCE	SU	М	Tata Steel	BUY	SO	M
Vedanta	BUY	SO	M				

ABSOLUTE RATING				
Ratings	Expected absolute returns over 12 months			
Buy	More than 15%			
Hold	Between 15% and - 5%			
Reduce	Less than -5%			

RELATIVE RETURNS RATING		
Ratings	Criteria	
Sector Outperformer (SO)	Stock return > 1.25 x Sector return	
Sector Performer (SP)	Stock return > 0.75 x Sector return	
	Stock return < 1.25 x Sector return	
Sector Underperformer (SU)	Stock return < 0.75 x Sector return	

Sector return is market cap weighted average return for the coverage universe within the sector $% \left(1\right) =\left(1\right) \left(1\right)$

RELATIVE RISK RATING		
Ratings	Criteria	
Low (L)	Bottom 1/3rd percentile in the sector	
Medium (M)	Middle 1/3rd percentile in the sector	
High (H)	Top 1/3rd percentile in the sector	

Risk ratings are based on Edelweiss risk model

SECTOR RATING		
Ratings	Criteria	
Overweight (OW)	Sector return > 1.25 x Nifty return	
Equalweight (EW)	Sector return > 0.75 x Nifty return	
	Sector return < 1.25 x Nifty return	
Underweight (UW)	Sector return < 0.75 x Nifty return	



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Coverage group(s) of stocks by primary analyst(s): Metals and Mining

Coal India, Hindalco Industries, Hindustan Zinc, Jindal Steel & Power, JSW Steel, NMDC, Steel Authority of India, Tata Steel, Vedanta

Recent Research

Date	Company	Title	Price (INR)	Recos
20-Sep-17	Tata Steel	A mutually beneficial amalgamation; Company Update	688	Buy
15-Sep-17	Vedanta	Partial closure of power plants: Marginal impact; Event Update	320	Buy
12-Sep-17	Tata Steel	BSPS resolution: A potent value enabler; Company Update	683	Buy

Distribution of Ratings / Market Cap

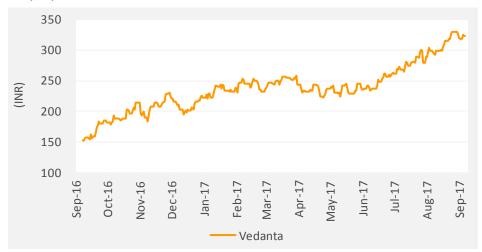
Edelweiss Research Coverage Universe

Edelweiss Research	COVETUE	,c Omver	30			
		Buy	Hold	Reduce	Total	
Rating Distribution * 1stocks under rev		161	67	11	240	
	> 50bn	Bet	ween 10bn a	nd 50 bn	< 10bn	
Market Cap (INR)	156		62		11	

Rating Interpretation

Rating	Expected to
Buy	appreciate more than 15% over a 12-month period
Hold	appreciate up to 15% over a 12-month period
Reduce	depreciate more than 5% over a 12-month period

One year price chart



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