

CMP<u>: ₹ 89</u>

Target: ₹ 120 (34%) Target Period

Target Period: 12 months

February 5, 2023

Maximising ethanol volumes...

About the stock: Dwarikesh Sugar (DSL) is a UP based sugar company with sugar crushing capacity of 21500 TCD, distillery capacity of 337.5 KLD & co-generation capacity of 96 MW.

• The company would be diverting 15-20% of sugarcane towards juice ethanol & remaining towards B-heavy ethanol, which would result in 1.4 lakh tonnes (It) of sugar equivalent sugarcane diversion towards ethanol

Q3FY23 Results: DSL witnessed weak results with a sharp dip in sugar sales.

- Sales were down 36.2% YoY on account of lower sugar sales volumes
- EBITDA was at ₹ 26.5 crore, down 51.9% YoY, with margins at 6.9%
- Consequently, PAT was at ₹ 10.5 crore (down 63.6% YoY)

What should investors do? DSL's share price has gone up 111% in the last five years (from ₹ 42 in February 2018 to ₹ 89 in February 2023).

- We cut our sales & earnings estimate considering lower sugar volumes, dip in recovery & increase in sugarcane SAP in 2023-24 sugar season
- We maintain our **BUY** rating on the stock

Target Price and Valuation: We value the stock at ₹ 120, valuing the business at 12x FY24 PE.

Key triggers for future price performance:

- DSL has increased its distillery capacity to 11 crore litre from 5.5 crore litre with the commissioning of new 175 KLD distillery. This would lead to distillery revenue CAGR of 32.8% in FY22-25E. Distillery segment is expected to contribute 35% to total revenues
- With increasing profitability and reduction in sugar inventory, the company would be able to generate cumulative ₹ 422 crore free cash flows in the next three years, which would be utilised working capital requirement and higher shareholder's payout
- With expected dip in sugar production in Maharashtra & Karnataka in 2022-23 season, domestic sugar prices could move up by ₹ 2/kg to ₹ 36-37/kg

Alternate Stock Idea: We like Dalmia Bharat Sugar in our sugar coverage.

- It is fastest in utilising B-heavy & sugarcane juice to produce ethanol. Distillery volumes to grow 1.8x to 22 crore litre by FY24. The company is aggressively exporting sugar & utilising higher global white sugar prices
- We value the stock at ₹ 490/share with a BUY recommendation



Particulars	
Particulars (₹ crore)	Amount
Market Capitalization	1,674.9
Total Debt (FY22)	520.7
Cash and Investments (FY22)	38.6
EV	2,157.1
52 week H/L (₹)	148 / 79
Equity capital	18.8
Face value (₹)	1.0

Shareho	olding pa	ttern							
(in %)	Mar-22	Jun-22	Sep-22	Dec-22					
Promoter	42.1	42.1	42.1	42.1					
FII	7.7	7.2	7.0	5.7					
DII	3.3	3.3	3.3	3.3					
Others	47.0	47.5	47.7	49.0					





Recent event & key risks

- The company is diverting 15-20% of its sugarcane towards juice ethanol
- Key Risk: (i) Unexpected increase in sugarcane SAP in UP (ii) Any dip in recovery rate due to weather disruptions

Research Analyst

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Key Financials	FY21	FY22	5 Year CAGR (FY17-22)	FY23E	FY24E	FY25E	CAGR (FY22-25E)
Total Operating Income	1838.9	1974.1	10.6%	2080.0	2022.8	2124.0	2.5%
EBITDA	201.3	290.8	1.2%	263.2	308.4	341.2	5.5%
EBITDA Margin %	10.9	14.7		12.7	15.2	16.1	
Net Profit	91.5	155.2	-0.1%	141.5	190.7	220.1	12.3%
EPS (₹)	4.9	8.2		7.5	10.1	11.7	12.3%
P/E	18.3	10.8		11.8	8.8	7.6	
RoNW %	15.8	23.1		17.3	20.3	20.3	
RoCE (%)	14.4	20.6		18.8	21.9	23.1	

ICICI Securities – Retail Equity Research

Result Update

Key takeaways of recent quarter

Q3FY23 Results: Sugar recovery stagnates; focus on maximising ethanol production

- Revenue witnessed de-growth of 36.2% to ₹ 383.8 crore adversely impacted by lower domestic sugar sales volumes & stagnant sugar prices. However, distillery segment continues to perform well on the back of higher volumes as well as realisation
- Sugar sales were down 50.4%, adversely impacted by 54.3% dip in sugar volumes & flat sugar realisation. The company sold 0.65 lakh tonnes (It) of sugar with average domestic realisation of ₹ 35.5 /kg. Sugar volumes include 0.43 It of exports & 0.22 It of domestic sale
- The significant decline in domestic sugar volume was mainly due to lower domestic sale quota during the quarter given the company was holding very low sugar inventory at the start of the quarter (October inventory level was 18,000 tonnes)
- DSL received sugar export quota of 0.86 lt, out of which it has contracted 0.5 lt of exports and traded remaining 0.36 lt for the exchange of domestic sugar. We believe the company would have earned of ₹ 10-12 crore for the export quota sale. The export realisation for 0.5 lt of raw sugar is ₹ 36/kg but adjusting for freight, it is ₹ 34/kg
- Sugar inventory at the end of December was 0.47 It valued at ₹ 32.57/kg against 1.1 It valued at ₹ 31.6/kg
- Distillery sales were up 65.8% to ₹ 110.3 crore led by 48.7% jump in volumes and 10.9% higher realisations. The company sold 1.67 crore litre of ethanol at a realisation of ₹ 65/litre
- The growth in distillery volumes was led by commissioning of new capacity in July-2022. The higher distillery realisation was mainly on account of sale of ethanol manufactured from sugarcane juice (fetches highest realisation of ₹ 65.6/litre)
- Power sales volumes dipped 3.8% to 4.7 crore units given the company is utilising additional captive power for newly commissioned distillery. Average realisation increased by 3% to ₹ 3.3/unit
- In the current 2022-23 season, the company crushed 12.5 It of sugarcane. Out of this, 2.3 It (18.4%) was diverted to produce ethanol from sugarcane juice route and remaining 10.2 It was diverted toward B-heavy ethanol route. The company produced 0.93 It of sugar during the season
- Gross sugar recovery in the current season is down by 19 bps mainly due to unfavourable weather and red-rot disease in its catchment areas of Bareilly plant. However, the management believe sugar recovery would improve as the plant sugarcane starts getting crushed. Moreover, DSL is changing sugarcane variety to reduce the dependence on waning Co-0238 variety. It would be able to change the varietal balance in next three years
- According to the management, sugarcane crushing and gross sugar recovery is expected to remain similar to last season. The company is expected to produce 3.2 3.5 It of sugar in the 2022-23 season
- Operating profit declined 51.9% to ₹ 26.5 crore on account of lower sugar sales. PAT de-grew 63.6% to ₹ 10.5 crore, mainly due to lower operating profit and higher interest cost
- The company commissioned 175 KLD distillery capacity in July 2022, which would increase its annual ethanol volumes to 11 crore litre. DSL has started utilising sugarcane juice route to produce ethanol in 2022-23 sugar season and would be diverting 15-20% of sugarcane towards sugarcane juice route. Out of the total 11 crore litre, 6 crore litre would be contributed by juice ethanol and 5 crore litre by B-heavy ethanol

- Long term debt is at ₹ 296.1 crore, which is at a concessional interest rate. The company is utilising cash on the books for the working capital requirement until December 2022
- DSL would be producing ethanol from sugarcane juice in both of its plants during sugar season (November-May). It would be producing ethanol from B-heavy molasses during off-season (June-October)
- The company is actively evaluating capex for sugar refinery, which could improve export realisation given refined sugar prices trade at a premium in the export market
- Industry wise sugar production is expected to be 34 million tonnes (MT) after diverting 4.5 MT of sugar towards ethanol. Considering, 27.5 MT of consumption & exports of 6.1 MT, sugar inventory would be close to 5.5 MT by September 2023, which would be close to last year's level

Sector / Company	CMP	TP		M Cap	EPS (growth	(%)	EBITDA	margin	ıs (%)		PE (x)			P/B (x)		R	DCE (%)
Sector / Company	(₹)	(₹)	Rating	(₹ Cr)	r) FY22 FY23E FY24E		FY22	FY23E	FY24E	FY22	FY23E	FY24E	FY22	FY23E	FY24E	FY22	FY23E	FY24E	
Balrampur Chini (BALCHI)	365	485	Buy	7439	-0.3	1.0	59.1	14.4	14.5	17.8	14.5	14.3	9.0	2.4	2.3	2.0	15.3	14.9	22.3
Dalmia Bharat Sugar (DALSUG	332	490	Buy	2689	10.0	14.2	18.1	14.8	17.7	19.0	8.7	7.6	6.4	1.1	1.1	1.0	12.3	15.8	17.7
Triveni Engineering (TRIENG)	272	360	Buy	6581	45.9	17.2	23.3	14.8	12.2	16.2	15.4	13.1	10.6	3.4	2.2	2.1	15.8	17.4	18.9
Dwarikesh sugar (DWASUG)	89	120	Buy	1675	69.6	-8.8	34.8	14.7	12.7	15.2	10.8	11.8	8.8	2.5	2.1	1.8	20.6	18.8	21.9
Dhampur Sugar (DHASUG)	212	270	Buy	1407	0.5	8.5	13.9	15.3	12.7	14.2	9.8	9.0	7.9	1.7	1.5	1.4	13.9	15.3	17.7
Avadh Sugar (AVASUG)	468	750	Buy	935	60.3	25.2	28.4	11.0	12.0	12.9	16.0	15.9	10.0	1.2	1.0	0.9	12.5	15.3	19.8

Source: Company, ICICI Direct Research

The sugar Industry in Uttar Pradesh has seen lower sugar recovery in 2021-22 season as well as in initial phase in 2022-23 season. This is indicating that sugarcane variety Co-0238 is waning and most sugar mills in UP are changing their sugarcane variety to sustain sugarcane yields & higher recovery. However, most sugar mills in UP have created huge distillery capacity to utilise B-heavy as well as sugarcane juice route to produce ethanol. With the commissioning of new distillery capacity, DSL would be able to divert 15-20% of sugarcane towards sugarcane juice & remaining towards Bheavy ethanol. This would result in more than 30% of sugar sacrifice for ethanol production. This would significantly reduce the company's dependence on sugar sales. We believe the company would be able to utilise its full distillery capacity to produce 11-12 crore litre of ethanol in FY24 and FY25. This would result in distillery revenue cagr of 32.8% during FY22-25E. However, we cut our profit estimate for FY23 and FY24 mainly incorporating lower sugar sales, dip in sugar recovery & expected increase in sugarcane state advised price (SAP) in UP in 2023-24 season. We expect earning CAGR of 12.3% for the company during FY22-25E. We remain positive on Dwarikesh considering lean balance sheet, strong earnings growth and attractive valuation multiple We maintain our BUY rating with a revised target price of ₹ 120/share (earlier ₹ 135).

	Q3FY23	Q3FY22	YoY (%)	Q2FY23	QoQ (%)	Comments
						Net sales de-grew 36.2% due to similar decline in sugar sales
Total Operating Income	383.8	601.3	-36.2	540.1	-28.9	as the company received lower domestic sales quota duing the
	000.0	001.0	00.2	010.1	20.0	quarter. However, distillery sales grew 65.8% in Q3 led by
						higher distillery volume as well as realisation
Other Operating Income	0.0	0.0	N.A.	0.0	N.A.	
Raw Material Expenses	286.0	478.4	-40.2	445.2	-35.8	
Employee Expense	31.0	30.7	1.1	33.5	-7.5	
Other operating Expenses	40.3	37.2	8.4	33.1	21.9	
						Operating margins dipped due to negative operating leverage &
EBITDA	26.5	55.1	-51.9	28.3	-6.4	higher contribution from relatively lower margin ethanol
						produced from sugarcane juice
EBITDA Margin (%)	6.9	9.2	-225 bps	5.2	166 bps	
Depreciation	13.4	11.0	21.2	13.3	0.7	Depreciation provisioning increased due to commissioning of
						distillery capacity earilier in the year
Interest	6.0	3.9	54.1	6.2	-2.6	
Other Income	7.9	1.0	711.7	2.3	241.4	Other income jumped given the company is holding cash
						surplus
РВТ	15.0	41.1	-63.5	11.2	34.3	
Tax Outgo	4.5	12.2	-63.2	3.4	NC	
PAT	10.5	28.9	-63.6	7.8	34.2	Net profit dipped 63.6% due to lower weak operational
						performance
Key Metrics						
						Sugar sales volume was down 54.3% due to lower domestic
Sugar sales volume (in tonnes)	64,719	141,740	-54.3	114,870	-43.7	sales quota as company was holding very low sugar inventory
						at the start of the season
Domestic Sugar realisation (₹	35.5	35.4	0.2	34.9	16	Domestic sugar realisation was flat
per kg)				0		-
Distillery volumes (in crore litre)	1.7	1.1	48.7	2.2	-24.7	Distillery volumes jumped up significantly with commissioning
,						of new distillery in H1FY23
Distillery realisation (₹ per litre)	65.0	58.6	10.9	59.1	10.0	Distillery realisation was up given the company sold ethanol
						produced from sugarcane juice

Source: Company, ICICI Direct Research

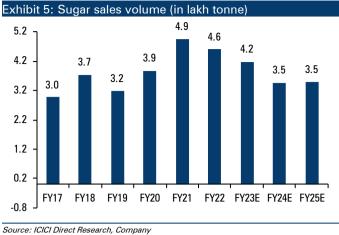
Exhibit 3: Change	e in estim	ates						
		FY23E			FY24E		FY25E	
(₹ Crore)	Old	New	% change	Old	New	% change	New	Comments
Net sales	2,170.6	2,080.0	-4.2	2,330.1	2,022.8	-13.2	2,124.0	We cut our sales estimate due to lower sugar production & sales volume
EBITDA	285.1	263.2	-7.7	410.9	308.4	-25.0	341.2	We cut our operating profit estimate in FY23 due to lower sugar sales volumes & expected increase in sugarcane SAP
EBITDA Margin (%)	13.1	12.7	-48 bps	17.6	15.2	-239 bps	16.1	
PAT	162.0	141.5	-12.7	253.0	190.7	-24.6	220.1	
EPS (₹)	8.6	7.5	-12.6	13.4	10.1	-24.4	11.7	

Source: ICICI Direct Research

			Curr	ent			Earl	ier	
	FY20	FY21	FY22	FY23E	FY24E	FY25E	FY23E	FY24E	Comments
Sugar Sold (in tonne)	3,87,848	4,94,890	4,59,850	4,18,464	3,47,325	3,49,061	4,62,149	4,39,042	We cut our sugar sales volume estimate given the company is diverting 15-20% of its sugarcane towards juice ethanol
Sugar Price (₹ per tonne)	31,301	32,099	33,907	35,000	35,500	36,000	34,500	35,500	We increase sugar realisation estimate for FY23 after accounting for selling of export sale quota in 9mFY23
Distillery volume	11,600	31,700	55,700	84,405	1,09,725	1,19,700	80,133	1,09,725	We raise our distillery volume estimate for FY23 as per guidance by the company
Distillery price (₹ per KL)	48,276	50,223	58,399	62,370	62,994	63,624	60,151	61,956	We raise our distillery realisation estimate due to higher proportion of Sugarcane juice contribution
Power Units sold	16.3	17.1	16.0	16.0	16.5	17.0	17.5	17.0	We change our power volume estimates
Price per unit (₹ per units)	2.9	3.1	3.2	3.3	3.4	3.5	3.3	3.4	

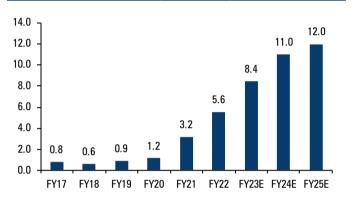
e: ICICI Direct Research

Key Metrics

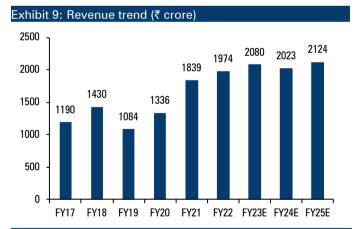








Source: Company, ICICI Direct Research

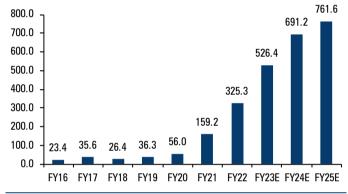


Source: Company, ICICI Direct Research

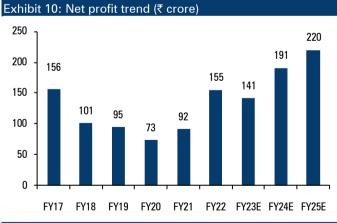
Exhibit 6: Sugar recovery rate (%) 14.0% 12.0% 10.0% 8.0% 6.0% 4.0% 2.0% 0.0% FY17 FY18 FY19 FY20 FY21 FY22 FY23E FY24E FY25E

Source: ICICI Direct Research, Company





Source: Company, ICICI Direct Research



Source: Company, ICICI Direct Research

Exhibit 11:	xhibit 11: Valuation												
	Sales	Growth	EPS	Growth	PE	EV/EBITDA	RoNW	RoCE					
	(₹ cr)	(%)	(T)	(%)	(x)	(x)	(%)	(%)					
FY22	1974.1	7.4	8.2	69.6	10.8	7.4	23.1	20.6					
FY23E	2080.0	5.4	7.5	-8.8	11.8	7.7	17.3	18.8					
FY24E	2022.8	-2.8	10.1	34.8	8.8	6.2	20.3	21.9					
FY25E	2124.0	5.0	11.7	15.4	7.6	5.4	20.3	23.1					

Source: Company, ICICI Direct Research

Financial Summary

Exhibit 12: Profit and los	s statemen	t		₹ crore
(Year-end March)	FY22	FY23E	FY24E	FY25E
Total Operating Income	1,974.1	2,080.0	2,022.8	2,124.0
Growth (%)	7.4	5.4	-2.8	5.0
Raw Material Expenses	1,475.3	1,567.2	1,476.7	1,542.7
Employee Expenses	96.3	118.6	119.7	123.3
Administrative Expenses	0.0	0.0	0.0	0.0
Excise Duty	0.0	0.0	0.0	0.0
Other expenses	111.7	131.0	117.9	116.8
Total Operating Expenditure	1,683.3	1,816.8	1,714.4	1,782.8
EBITDA	290.8	263.2	308.4	341.2
Growth (%)	44.5	-9.5	17.1	10.6
Depreciation	43.6	50.7	52.8	51.5
Interest	31.7	26.6	16.8	13.7
Other Income	3.2	16.3	16.3	18.3
РВТ	215.5	185.8	238.7	275.9
Exceptional items	0.0	0.0	0.0	0.0
Total Tax	63.5	60.6	64.3	74.1
PAT	155.2	141.5	190.7	220.1
Growth (%)	69.6	-8.8	34.8	15.4
EPS (₹)	8.2	7.5	10.1	11.7

Exhibit 13: Cash flow state	ement			₹ crore
(Year-end March)	FY22	FY23E	FY24E	FY25E
Profit/Loss after Tax	218.7	141.5	190.7	220.1
Add: Depreciation	43.6	50.7	52.8	51.5
Add: Interest	31.7	0.0	0.0	0.0
(Inc)/dec in Current Assets	132.5	194.5	-26.6	-19.8
Inc/(dec) in Current Liabilities	-34.6	-13.0	3.5	-89.1
CF from operating activities	352.5	373.7	220.5	162.8
(Inc)/dec in Investments	0.0	0.0	0.0	0.0
(Inc)/dec in Fixed Assets	-175.3	-255.0	-50.0	-30.0
Others	0.7	38.3	0.0	0.0
CF from investing activities	-174.7	-216.7	-50.0	-30.0
Issue/(Buy back) of Equity	0.0	0.0	0.0	0.0
Inc/(dec) in loan funds	-85.0	-140.0	-100.0	-50.0
Dividend paid & dividend tax	-61.2	-37.7	-65.9	-75.3
Inc/(dec) in Sec. premium	-0.2	38.8	0.0	0.0
Others	-31.3	0.0	0.0	0.0
CF from financing activities	-177.7	-138.9	-165.9	-125.3
Net Cash flow	0.1	18.1	4.6	7.5
Opening Cash	0.1	0.2	18.4	22.9
Cash with bank	38.3	0.0	0.0	0.0
Closing Cash	38.6	18.4	22.9	30.4

Source: Company, ICICI Direct Research

Exhibit 14: Balance Sheet			₹ (crore
	FY22	FY23E	FY24E	FY25E
Liabilities				
Equity Capital	18.8	18.8	18.8	18.8
Reserve and Surplus	654.5	797.1	921.9	1,066.6
Total Shareholders funds	673.3	815.9	940.7	1,085.4
Total Debt	520.7	380.7	280.7	230.7
Long Term Provisions	22.3	20.3	18.3	16.3
Other Non-current Liabilities	1.4	1.4	1.4	1.4
Total Liabilities	1,217.7	1,218.3	1,241.1	1,333.8
Assets				
Gross Block	953.2	1,208.2	1,258.2	1,288.2
Less: Acc Depreciation	565.1	615.9	668.7	720.3
Net Block	388.1	592.4	589.5	568.0
Capital WIP	142.5	142.5	142.5	142.5
Intangible assets	0.0	0.0	0.0	0.0
Non Current Investments	0.3	0.3	0.3	0.3
Other non-current assets	41.7	41.7	41.7	41.7
Current Assets				
Inventory	757.7	508.4	516.9	513.3
Debtors	34.5	69.3	67.4	70.8
Cash	38.6	18.4	22.9	30.4
Loans & Advances	0.3	0.3	0.3	0.3
Other Current Assets	15.8	35.8	55.8	75.8
Current Liabilities				
Creditors	96.3	85.3	90.8	93.5
Provisions	4.4	4.4	4.4	4.4
Other CL	101.1	101.1	101.1	11.3
Net Current Assets	645.0	441.4	467.0	581.3
Total Assets	1,217.7	1,218.3	1,241.1	1,333.8

Source: Company, ICICI Direct Research

Source: Company, ICICI Direct Research

	FY22	FY23E	FY24E	FY25E
Per share data (₹)				
EPS	8.2	7.5	10.1	11.7
Cash EPS	10.6	10.2	12.9	14.4
BV	35.8	43.3	50.0	57.6
DPS	1.3	2.0	3.5	4.0
Cash Per Share	30.0	32.7	35.5	38.3
Operating Ratios (%)				
EBITDA Margin	14.7	12.7	15.2	16.1
PBT / Net Sales	11.1	9.7	12.6	13.9
PAT Margin	7.9	6.8	9.4	10.4
Inventory days	140.1	89.2	93.3	88.2
Debtor days	6.4	12.2	12.2	12.2
Creditor days	17.8	15.0	16.4	16.1
Return Ratios (%)				
RoE	23.1	17.3	20.3	20.3
RoCE	20.6	18.8	21.9	23.1
Valuation Ratios (x)				
P/E	10.8	11.8	8.8	7.6
ev / Ebitda	7.4	7.7	6.2	5.4
EV / Net Sales	1.1	1.0	0.9	0.9
Market Cap / Sales	0.8	0.8	0.8	0.8
Price to Book Value	2.5	2.1	1.8	1.5
Solvency Ratios				
Debt/EBITDA	1.8	1.4	0.9	0.7
Debt / Equity	0.8	0.5	0.3	0.2
Current Ratio	7.2	6.1	6.0	6.0
Quick Ratio	0.5	1.0	1.2	1.3

Source: Company, ICICI Direct Research

Exhibit 16: ICICI Direct coverage universe (Sugar)																			
Sector / Company	CMP	TP		EPS (₹)			P/E (x)			EV/EBITDA (x)			P/B			RoCE (%)			
	(₹)	(₹)	Rating	(₹ Cr)	FY22	FY23E	FY24E	FY22	-Y23E	FY24E	FY22	FY23E	FY24E	FY22	FY23E F	Y24E	FY22	FY23E	FY24E
Balrampur Chini (BALCHI)	365	485	Buy	7,439	22.8	23.0	36.6	16.0	15.9	10.0	11.2	10.6	7.0	2.4	2.3	2.0	15.3	14.9	22.3
Dalmia Bharat Sugar (DALSUG	332	490	Buy	2,689	36.7	42.0	49.5	9.0	7.9	6.7	7.3	5.4	4.3	1.1	1.1	1.0	12.3	15.8	17.7
Triveni Engineering (TRIENG)	272	360	Buy	6,581	17.7	20.8	25.7	15.3	13.1	10.6	12.7	10.7	8.4	3.4	2.2	2.1	15.8	17.4	18.9
Dwarikesh sugar (DWASUG)	89	120	Buy	1,675	8.2	7.5	10.1	10.8	11.8	8.8	7.4	7.7	6.2	2.5	2.1	1.8	20.6	18.8	21.9
Dhampur Sugar (DHASUG)	212	270	Buy	1,407	21.7	23.5	26.8	9.8	9.0	7.9	7.9	7.1	5.9	1.7	1.5	1.4	13.9	15.3	17.7
Avadh Sugar (AVASUG)	468	750	Buy	935	62.2	77.9	100.0	7.5	6.0	4.7	7.1	5.4	3.8	1.2	1.0	0.9	12.5	15.3	19.8

Source: Bloomberg, ICICI Direct Research

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