# Dwarikesh Sugar (DWASUG)

CMP: ₹ 92 Target: ₹ 115 (25%)

Target Period: 12 months

ths BUY

May 1, 2023

# Uptick in sugar prices partially offsets dip in recovery

**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 be 1.3 lakh tonnes of sugar equivalent sugarcane diversion towards ethanol

Q4FY23 Results: DSL reported weak results due to low recovery, subdued prices.

- Sales grew 12.1% YoY on account of significant growth in ethanol sales
- EBITDA was at ₹ 86.4 crore, down 15.6% YoY, with margins at 16.2%
- Consequently, PAT was at ₹ 46.8 crore (down 21.6% YoY)

What should investors do? DSL's share price has gone up 3.9x in the last five years (from ₹ 23 in April 2018 to ₹ 92 in April 2023).

- We cut earnings estimate considering lower sugar volumes, dip in recovery, increase in sugarcane SAP & higher income tax rate
- · We maintain our BUY rating on the stock

Target Price and Valuation: We value the stock at ₹ 115, valuing the business at 12x FY25 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 18.5% in FY23-25E. Distillery segment to
  contribute 35% to total revenues
- With the dip in sugar production in Maharashtra & Karnataka in 2022-23 season, domestic sugar prices have moved up by ₹ 2/kg to ₹ 36-37/kg. We believe domestic sugar prices would remain firm at least till November-2023
- Decline in sugar recovery has resulted in a dip in sugar as well as distillery segment margins. The company is changing sugarcane variety in its catchment area to reduce dependence on Co-0238 sugarcane variety

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



CICI direc

Particulars	
Particulars (₹ crore)	Amount
Market Capitalization	1,725.8
Total Debt (FY23)	370.8
Cash and Investments (FY23)	39.8
EV	2,056.7
52 week H/L (₹)	132 / 80
Equity capital	18.8
Face value (₹)	1.0

Shareholding pattern										
(in %)	Jun-22	Sep-22	Dec-22	Mar-23						
Promoter	42.1	42.1	42.1	42.1						
FII	7.2	7.0	5.7	4.4						
DII	3.3	3.3	3.3	3.3						
Others	47.5	47.7	49.0	50.3						



### Recent event & key risks

- The company is marginally increasing its crushing capacity with ₹ 30 crore capex
- Key Risk: (i) Significant increase in sugarcane SAP in UP could pressurise margins (ii) If there is no improvement or further dip in recovery rate in 2023-24 season

## **Research Analyst**

Sanjay Manyal sanjay.manyal@icicisecurities.com

Key Financial Summary							
Key Financials	FY21	FY22	FY23	5 Year CAGR (FY18-23)	FY24E	FY25E	CAGR (FY23-25E)
Total Operating Income	1838.9	1974.1	2103.0	8.0%	1961.1	2170.9	1.6%
EBITDA	201.3	290.8	217.8	8.9%	263.8	296.7	16.7%
EBITDA Margin %	10.9	14.7	10.4		13.5	13.7	
Net Profit	91.5	155.2	104.8	0.7%	145.6	188.2	34.0%
EPS (₹)	4.9	8.2	5.6		7.7	10.0	34.0%
P/E	18.9	11.1	16.5		11.9	9.2	
RoNW %	15.8	23.1	14.2		16.4	18.5	
RoCE (%)	14.4	20.6	16.0		20.8	22.2	

Source: Company, ICICI Direct Research

# Key takeaways of recent quarter

### Q4FY23 Results: Sugar recovery down 40 bps from peak

- DSL witnessed 12% revenue growth to ₹ 532.5 crore led by 98.7% growth in distillery sales. Sugar sales were down 10.9%. DSL is holding 1.06 lakh tonnes (It) of sugar as on March 31, 2023 valued at ₹ 31.72/kg
- The 10.9% decline in sugar sales was mainly on account of 13.4% drop in sugar volume due to lower domestic sales quota. The company sold 0.87 lt of sugar in Q4. Sugar realisation was subdued (up merely 0.7% YoY) at ₹ 34.1/kg
- The 98.7% growth in distillery sales was driven by 78.8% growth in ethanol volumes & 11% jump in ethanol realisation. The company sold 2.95 crore litre of ethanol at a realisation of ₹ 65.6/litre
- The increase in ethanol volume was mainly due to commissioning of 175 KLD ethanol capacity in July-2022. Given the company is only producing ethanol from sugarcane juice route during the season, sugar realisation was higher by 11%
- Power sales were also down 2%. Power sales volume were down 7% to 7.16 crore litre whereas power realisation was up 3.1% to ₹ 3.3/unit
- In the current 2022-23 season, the company has seen flat sugarcane crushing at 30.27 It at a net recovery rate of 8%. Out of this, 6.07 It of sugarcane were diverted to produce ethanol directly from juice. Gross recovery for the season was down by 26 bps to 11.83% mainly due to red rot disease in its Bareilly plant catchment area
- The company expected to crush 38 It of sugarcane for 2022-23 season, which is similar to last season. DSL is producing ethanol from sugarcane juice during the season and storing B-heavy molasses for ethanol production during off-season. The company is diverting 20% of sugarcane towards juice ethanol and remaining 80% towards B-heavy molasses
- Cost of producing ethanol from sugarcane juice is ₹ 55-57/litre including the conversion cost of ₹ 5/litre. Blended margin in ethanol (B-Heavy & sugarcane juice ethanol) would be 18-20% once DSL sees normalised recovery
- Sugar price above ₹ 37 / kg would fetch better margins by diverting more sugarcane towards sugar whereas sugar prices below ₹ 37/kg would fetch higher margins by diverting more sugarcane toward ethanol
- In the next season (2023-24 sugar season), the company expects to increase sugarcane crushing by 5-10% to 40-43 lt. It is working on increasing sugarcane availability in the Bareilly plant catchment area
- The company is introducing newer sugarcane variety in its catchment area to reduce the dependency on sugarcane variety Co-0238. In the next sugar season (2023-24), dependency on Co-0238 variety would reduce from 95% to 65%. Moreover, the company is also working to safeguard efficiency on Co-0238 variety
- DSL is undertaking ₹ 30 crore capex for increasing crushing capacity marginally in its Bijnor plant to reduce the number of days of crushing. The crushing in the later part of the season (end-May or June) significantly reduces recovery rate
- Total debt for DSL came down by ₹ 151.3 crore to ₹ 370.8 crore in FY23
  against ₹ 522.1 crore in FY22. The company generated free cash flow of
  more than ₹ 200 crore in FY23. With sustainable generation of free cash
  flow, we expect the company to see a further debt reduction of ₹ 200 crore
  in FY24
- In the 2022-23 sugar season, industry wise sugar production is expected to be 32.7 million tonnes (MT). With the consumption of 27.7 MT and export of 6.0 MT, sugar inventory level is expected to come down by 1 MT. We

believe sugar inventory at the start of season would be close to 5 MT, which would be lowest in the last five years

- We believe domestic sugar prices would remain firm in the range of ₹ 36-40/kg till November-2023. The firm sugar prices are likely to improve sugar segment margins in FY24
- Global sugar prices are at an 11-year high hovering around US cents 27 / lb, which is equivalent to ₹48/kg in rupee terms. However, international prices would not have any impact on domestic prices given India has already exported 6 MT, which was allowed by the government

Exhibit 1: Peer Con	Exhibit 1: Peer Comparison																							
Sector / Company	CMP	TP		M Cap	E	PS grov	vth (%	)	EBIT	DA Ma	argin (%	6)		PE	(x)			P/B	(x)			RoCE	(%)	
Sector / Company	(₹)	(₹)	Rating	(₹ Cr)	FY22	FY23E	FY24E	FY25E	FY22 I	Y23E	FY24E I	FY25E	FY22	FY23E	FY24E	FY25E	FY22	FY23E I	FY24E F	Y25E	FY22	FY23E I	FY24E	FY25E
Balrampur Chini (BALCHI)	416	435	Buy	8478	-0.1	-31.9	84.2	18.0	14.4	11.3	16.2	16.6	18.3	26.1	13.4	11.4	3.1	2.9	2.5	2.3	15.3	10.1	19.1	20.5
Dalmia Bharat Sugar (DALSUG	370	490	Buy	2997	10.0	-13.3	33.8	17.1	14.8	14.6	16.4	17.2	10.2	11.7	8.8	7.5	1.3	1.3	1.2	1.1	12.3	12.8	16.0	16.9
Triveni Engineering (TRIENG)	287	360	Buy	6938	45.9	-5.1	52.6	24.3	14.8	10.0	16.2	17.5	16.3	17.2	11.2	9.1	3.7	2.4	2.3	2.0	15.8	14.6	19.3	25.0
Dwarikesh sugar (DWASUG)	92	115	Buy	1726	69.6	-32.5	38.9	29.3	14.7	10.4	13.5	13.7	11.1	16.5	11.9	9.2	2.6	2.3	1.9	1.7	20.6	16.0	20.8	22.2
Dhampur Sugar (DHASUG)	244	270	Buy	1623	0.5	8.5	13.9	27.4	15.3	12.7	14.2	15.3	11.3	10.4	9.1	7.1	1.6	1.4	1.3	1.1	13.9	15.3	17.7	19.9

Source: Company, ICICI Direct Research

Sugar inventory in India would be lowest in the last five years at the start of October 1, 2023. This would keep domestic sugar prices firm above ₹ 36/kg at least till start of the new crushing season. Moreover, expected occurrence of El Nino could keep domestic sugar prices firm until November-2024. On the flip side, recovery rate for UP based sugar mills have been on the declining trend from last two years, which has increased the cost of production. We believe firm sugar prices would partially offset the impact of lower recovery rate. With the completion of distillery capex, DSL would see 30% jump in ethanol volumes to 11 crore litre in FY24. We estimate distillery sales CAGR of 18.5% during FY23-25 to ₹748.7 crore, which would be 35% to overall revenues for the company. We cut down our estimate factoring in all the negatives i.e. lower recovery rate, ₹ 15/quintal in sugarcane prices & substantial decline in sugar volumes owing to higher diversion towards ethanol produced from sugarcane juice. We estimate sugar realisation of ₹ 36.2/kg & ₹ 37/ kg for FY24E & FY25E, respectively. We expect earnings CAGR of 34% during FY23-25E to ₹ 188.2 crore considering low base of FY23. DSL has strong balance sheet with debt to equity of 0.5x and expected cumulative free cash flow generation of ₹ 272 in the next two years. We assign BUY recommendation valuing it at 12x FY25E PE to arrive at the revised target price ₹ 115/share (₹ 120 earlier).

	Q4FY23	Q3FY22	YoY (%)	Q3FY23	QoQ (%)	Comments
Total Operating Income	532.5	475.0	12.1	383.8	38.7	Net sales witnessed a growth of 12.1% led by 98.7% jump in distillery sales
Other Operating Income	0.0	0.0	N.A.	0.0	N.A.	
Raw Material Expenses	387.1	328.2	17.9	286.0	35.3	Gross margins contracted by 301 bps on account of subdued sugar realisation, lower recovery & higher contribution of sugarcane juice based ethanol
Employee Expense	29.4	24.6	19.5	31.0	-5.3	Overhead spends were higher due to significant increase in distillery volumes
Other operating Expenses	29.7	19.7	50.6	40.3	-26.4	
EBITDA	86.4	102.4	-15.6	26.5	226.2	Operating profit was impacted by lower gross margins as well as higher overhead spends
EBITDA Margin (%)	16.2	21.6	-534 bps	6.9	933 bps	
Depreciation	12.8	11.8	8.9	13.4	-4.2	
Interest	5.9	5.5	8.6	6.0	-1.3	
Other Income	1.9	0.5	264.8	7.9	-76.1	
PBT	69.6	85.7	-18.8	15.0	363.2	
Tax Outgo	22.8	26.1	-12.6	4.5	NC	
PAT	46.8	59.6	-21.6	10.5	344.5	Net profit declined by 21.6% due to de-growth in operating profit
Key Metrics						
Sugar sales volume (in tonnes)	87,540	1,01,090	-13.4	64,719	35.3	Sugar sales volume was down due to lower domestic sales quota
Domestic Sugar realisation (₹ per kg)	34.1	33.9	0.7	35.5	-4.0	Sugar prices remain subdued
Distillery volumes (in crore litre)	3.0	1.7	78.8	1.7	73.5	Distillery volumes were significantly higher given the company commissioned new distillery earlier during the year
Distillery realisation (₹ per litre)	65.6	59.1	11.0	65.0	0.9	Higher contribution of sugarcane juice based ethanol resulted in higher distillery realisation

Source: Company, ICICI Direct Research

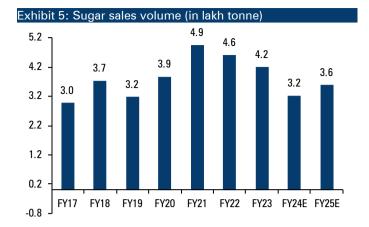
Exhibit 3: Change	e in estima	ates				
		FY24E			FY25E	
(₹ Crore)	Old	New	% change	Old	New	% change
Net sales	2,022.8	1,961.1	-3.1	2,124.0	2,170.9	We cut down our FY24 estimate mainly due to expected decline in sugar sales volume due to higher diversion towards ethanol.  2.2 We increase FY25 sugar volume estimate given the company is working on increasing sugarcane availability in its catchment area
EBITDA	308.4	263.8	-14.5	341.2	296.7	We change our operating profit estimate due to 26 bps decline in sguar recovery in current season
EBITDA Margin (%)	15.2	13.5	-179 bps	16.1	13.7	
PAT	190.7	145.6	-23.7	220.1	188.2	We change our FY24 income tax estimate from 25% to 31% as per company guidance
EPS (₹)	10.1	7.7	-23.4	11.7	10.0	-14.6

Source: ICICI Direct Research

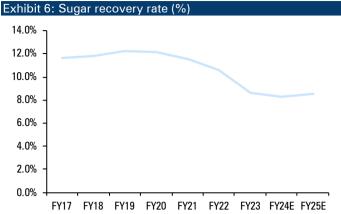
Exhibit 4: Assumption	ıs							
			Current			Earli	er	
	FY21	FY22	FY23	FY24E	FY25E	FY24E	FY25E	
								We revise our sugar sales volume estimate
Sugar Sold (in tonne)	4,94,890	4,59,850	4,20,005	3,22,970	3,58,448	3,47,325	3,49,061	given the company would be producing lower
								sugar given higher diversion towards ethanol
								Given domestic sugar prices have moved up
Sugar Price (₹ per tonne)	32,099	33,907	34,642	36,200	37,000	35,500	36,000	considerably, we change our sugar realisation
								estimates
Distillery volume	31,700	55,700	84,200	1,09,725	1,16,280	1,09,725	1,19,700	Slight tweaking in FY25E distillery volumes
Distillery price (₹ per KL)	50,223	58,399	62,500	63,750	64,388	62,994	63,624	Slight change in distillery realisation estimates
Power Units sold	17.1	16.0	14.7	14.7	15.1	16.5	17.0	We change our power sales volume estimates
Price per unit (₹ per units)	3.1	3.2	3.3	3.4	3.5	3.4	3.5	

Source: ICICI Direct Research

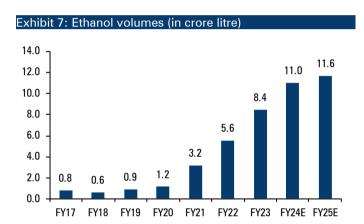
## **Key Metrics**



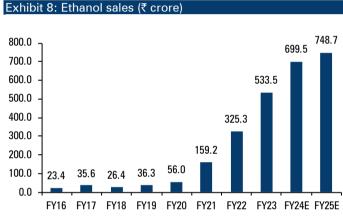




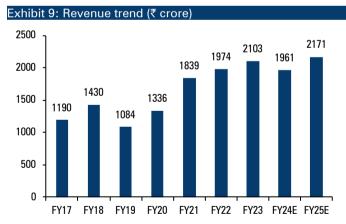
Source: ICICI Direct Research, Company



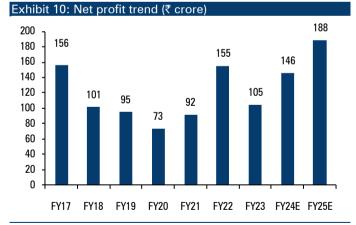
Source: Company, ICICI Direct Research



Source: Company, ICICI Direct Research



Source: Company, ICICI Direct Research



Source: Company, ICICI Direct Research

Exhibit 11	: Valuation	1						
	Sales	Growth	EPS	Growth	PE	EV/EBITDA	RoNW	RoCE
	(₹ cr)	(%)	(₹)	(%)	(x)	(x)	(%)	(%)
FY22	1974.1	7.4	8.2	69.6	11.1	7.5	23.1	20.6
FY23	2103.0	6.5	5.6	-32.5	16.5	9.4	14.2	16.0
FY24E	1961.1	-6.7	7.7	38.9	11.9	7.1	16.4	20.8
FY25E	2170.9	10.7	10.0	29.3	9.2	6.2	18.5	22.2

Source: Company, ICICI Direct Research

# Financial Summary

Exhibit 12: Profit and Ic	ss stateme	nt		₹ crore
(Year-end March)	FY22	FY23	FY24E	FY25E
<b>Total Operating Income</b>	1,974.1	2,103.0	1,961.1	2,170.9
Growth (%)	7.4	6.5	-6.7	10.7
Raw Material Expenses	1,475.3	1,634.8	1,466.2	1,633.7
Employee Expenses	96.3	118.0	118.6	126.9
Administrative Expenses	0.0	0.0	0.0	0.0
Excise Duty	0.0	0.0	0.0	0.0
Other expenses	111.7	132.3	112.5	113.6
Total Operating Expenditure	1,683.3	1,885.2	1,697.3	1,874.2
EBITDA	290.8	217.8	263.8	296.7
Growth (%)	44.5	-25.1	21.1	12.5
Depreciation	43.6	50.2	52.8	52.3
Interest	31.7	29.1	14.3	8.8
Other Income	3.2	14.0	14.3	16.0
PBT	215.5	138.5	196.7	235.6
Exceptional items	0.0	0.0	0.0	0.0
Total Tax	63.5	47.7	65.4	63.4
PAT	155.2	104.8	145.6	188.2
Growth (%)	69.6	-32.5	38.9	29.3
EPS (₹)	8.2	5.6	7.7	10.0

Source: Company, ICICI Direct Research

Exhibit 13: Cash flow stat	ement			₹ cror
(Year-end March)	FY22	FY23	FY24E	FY25E
Profit/Loss after Tax	218.7	152.5	145.6	188.2
Add: Depreciation	43.6	50.2	52.8	52.3
Add: Interest	31.7	25.8	0.0	0.0
(Inc)/dec in Current Assets	132.5	163.6	56.6	-91.
Inc/(dec) in Current Liabilities	-34.6	-38.2	-15.9	-6.3
CF from operating activities	352.5	313.9	239.2	142.
(Inc)/dec in Investments	0.0	0.0	0.0	0.0
(Inc)/dec in Fixed Assets	-175.3	-98.7	-60.0	-50.
Others	0.7	7.2	39.2	0.0
CF from investing activities	-174.7	-91.5	-20.8	-50.
Issue/(Buy back) of Equity	0.0	0.0	0.0	0.
Inc/(dec) in loan funds	-85.0	-151.3	-200.0	-40.
Dividend paid & dividend tax	-61.2	-37.7	-37.7	-56.
Inc/(dec) in Sec. premium	0.0	0.0	0.0	0.
Others	-31.5	-33.0	39.4	0.
CF from financing activities	-177.7	-221.9	-198.3	-96.
Net Cash flow	0.1	0.4	20.1	-3.
Opening Cash	0.1	0.2	0.7	20.
Cash with bank	38.3	39.2	0.0	0.
Closing Cash	38.6	39.8	20.8	17.

Source: Company, ICICI Direct Research

Exhibit 14: Balance Sheet				₹ crore
	FY22	FY23	FY24E	FY25E
Liabilities				
Equity Capital	18.8	18.8	18.8	18.8
Reserve and Surplus	654.5	721.0	868.3	1,000.1
Total Shareholders funds	673.3	739.8	887.1	1,018.9
Total Debt	520.7	370.8	170.8	130.8
Long Term Provisions	22.3	24.7	22.7	20.7
Other Non-current Liabilities	1.4	3.1	3.1	3.1
Total Liabilities	1,217.7	1,138.3	1,083.6	1,173.4
Assets				
Gross Block	953.2	1,197.7	1,257.7	1,307.7
Less: Acc Depreciation	565.1	615.4	668.2	720.5
Net Block	388.1	582.3	589.5	587.2
Capital WIP	142.5	0.0	0.0	0.0
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	11.6	11.6	11.6
Current Assets				
Inventory	757.7	560.7	490.3	554.8
Debtors	34.5	71.5	65.4	72.4
Cash	38.6	39.8	20.8	17.0
Loans & Advances	0.3	0.1	0.1	0.1
Other Current Assets	15.8	13.5	33.5	53.5
Current Liabilities				
Creditors	96.3	55.1	41.2	44.9
Provisions	4.4	5.0	5.0	5.0
Other CL	101.1	81.7	81.7	73.7
Net Current Assets	645.0	544.0	482.2	574.2
Total Assets	1,217.7	1,138.3	1,083.6	1,173.4

Source: Company, ICICI Direct Research

Exhibit 15: Key ratios				
	FY22	FY23	FY24E	FY25E
Per share data (₹)				
EPS	8.2	5.6	7.7	10.0
Cash EPS	10.6	8.2	10.5	12.8
BV	35.8	39.3	47.1	54.1
DPS	1.3	2.0	2.0	3.0
Cash Per Share	30.0	32.7	35.5	38.3
Operating Ratios (%)				
EBITDA Margin	14.7	10.4	13.5	13.7
PBT / Net Sales	11.1	7.3	10.8	11.6
PAT Margin	7.9	5.0	7.4	8.7
Inventory days	140.1	97.3	91.3	93.3
Debtor days	6.4	12.4	12.2	12.2
Creditor days	17.8	9.6	7.7	7.5
Return Ratios (%)				
RoE	23.1	14.2	16.4	18.5
RoCE	20.6	16.0	20.8	22.2
Valuation Ratios (x)				
P/E	11.1	16.5	11.9	9.2
EV / EBITDA	7.5	9.4	7.1	6.2
EV / Net Sales	1.1	1.0	1.0	0.8
Market Cap / Sales	0.9	0.8	0.9	0.8
Price to Book Value	2.6	2.3	1.9	1.7
Solvency Ratios				
Debt/EBITDA	1.8	1.7	0.6	0.4
Debt / Equity	0.8	0.5	0.2	0.1
Current Ratio	7.2	9.1	10.3	11.2
Quick Ratio	0.5	1.2	1.7	2.1

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 (x)				RoCE (%)						
	(₹)	(₹)	Rating	(₹ Cr)	FY22	FY23E	FY24E	FY25E	FY22	FY23E I	FY24E	FY25E	FY22	FY23E	FY24E I	Y25E	FY22 I	FY23E I	Y24E F	Y25E	FY22	FY23E	FY24E	FY25E
Balrampur Chini (BALCHI)	416	435	Buy	8,478	22.8	16.0	31.0	36.6	18.2	26.0	13.4	11.4	13.7	18.8	9.8	8.8	3.1	2.9	2.5	2.3	15.3	10.1	19.1	20.5
Dalmia Bharat Sugar (DALSUG	370	490	Buy	2,997	36.7	31.9	42.6	49.9	10.1	11.6	8.7	7.4	8.3	8.1	6.1	5.2	1.3	1.3	1.2	1.1	12.3	12.8	16.0	16.9
Triveni Engineering (TRIENG)	287	360	Buy	6,938	17.7	16.8	25.7	31.9	16.2	17.0	11.2	9.0	13.4	13.9	8.9	6.9	3.7	2.4	2.3	2.0	15.8	14.6	19.3	25.0
Dwarikesh sugar (DWASUG)	92	115	Buy	1,726	8.2	5.6	7.7	10.0	11.1	16.5	11.9	9.2	7.5	9.4	7.1	6.2	2.6	2.3	1.9	1.7	20.6	16.0	20.8	22.2
Dhampur Sugar (DHASUG)	244	270	Buy	1,623	21.7	23.5	26.8	34.2	11.3	10.4	9.1	7.1	7.6	6.8	5.6	4.6	1.6	1.4	1.3	1.1	13.9	15.3	17.7	19.9
Source: Bloomberg, ICICI Di	Source: Bloomberg, ICICI Direct Research																							

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Hold: -5% to 15%;

Reduce: -15% to -5%;

Sell: <-15%



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