DIFFERENT APPROACHES TO VALUATION
$\qquad$

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## Stocks and Stock Market

- Equity Shares: Ownership shares in a publicly held corporation
- Secondary Market: Market in which already issued securities are traded by investors
- Dividend: Periodic cash distribution from the firm to the shareholders
- Book Value: Net Worth of the firm according to the balance sheet


## Stocks and Stock Market

- Liquidation Value: Net proceeds that would be realized by selling the firm's assets and paying off its creditors
- P/E Ratio: Price per share divided by earnings per share (EPS)
- P/BV Ratio: Price per share divided by book value per share (BV)
- Market Value Balance Sheet: Financial statement that uses market value of assets and liabilities


## Valuing Common Equity Shares

- Expected Return: The percentage yield that an investor forecasts from a specific investment over a set period of time.
This rate is also known as the opportunity cost of capital

What do you earn when you buy shares?

- Dividend Yield + Capital Appreciation (??)


## Valuing Common-Equity Shares

What do you earn when you buy shares?

- Dividend Yield + Capital Appreciation (??)
- Dividend Discount Models
- 2-year Model

- Perpetual Growth Model
- Constant Growth $\mathrm{V}=\mathrm{D}_{\mathrm{i}} /\left(\mathrm{k}_{\mathrm{e}}-\mathrm{g}\right)$
- No Growth
- Growth Phases


## Valuation ...

Dividend Discount Model: Computation of today's share price which states that share value equals the present value of all expected future dividends
It is the oldest discounted cash flow model in practice

## Dividend Valuation Jodel

Basic dividend valuation model accounts for the PV of all future dividends.

$$
\begin{aligned}
\mathbf{V} & =\frac{\text { Div }_{1}}{\left(1+k_{e}\right)^{1}}+\frac{\text { Div }_{2}}{\left(1+k_{e}\right)^{2}}+\ldots+\frac{\text { Div }_{\infty}}{\left(1+k_{e}\right)^{\infty}} \\
& =\sum_{t=1}^{\infty} \frac{\text { Div }_{t}}{\left(1+k_{e}\right)^{t}} \quad \begin{array}{ll}
\text { Div }_{t}: \begin{array}{l}
\text { Cash dividend } \\
\text { at time } t
\end{array} \\
k_{e}: \begin{array}{l}
\text { Equity investor's } \\
\text { required return }
\end{array}
\end{array}
\end{aligned}
$$

## AdjustedLDividend Valuation Model

The basic dividend valuation model adjusted for the future stock sale.

$$
\mathbf{V}=\frac{\text { Div }_{1}}{\left(1+k_{e}\right)^{1}}+\frac{\text { Div }_{2}}{\left(1+k_{e}\right)^{2}}+\ldots+\frac{\text { Div }_{n}+\text { Price }}{\left(1+k_{e}\right)^{n}}
$$

$\begin{array}{ll}\mathrm{n}: & \begin{array}{l}\text { The year in which the firm's } \\ \\ \text { shares are expected to be sold. }\end{array} \\ \text { Price }_{\mathrm{n}}: & \text { The expected share price in year } \mathrm{n} .\end{array}$

## Constant Growhin Model

The constant growth model assumes that dividends will grow forever at the rate g .
$\mathbf{V}=\frac{D_{0}(1+)}{\left(1+k_{0}\right)}+\frac{D_{0}(1+)^{2}}{\left(1+k_{e}\right)^{2}}+\ldots+\frac{D_{0}(1+)^{\infty}}{\left(1+k_{0}\right)^{\infty}}$
$\mathrm{D}_{1}$ : Dividend paid at time 1.
The constant growth rate. Investor's required return.

# Lets Value 

Financials Rs (in Crores)
For the year
Operating Income

Net Profit
Net Worth
No. of Shares (in crore)
Adjusted EPS (Rs)
Book value per Share (Rs)
Dvdnd per Share (Rs)
Net Profit Margin (\%)
Current Ratio
Lt Debt Equity

| 703 | 603 | 503 | 403 | 303 |
| :---: | :---: | :---: | :---: | :---: |
| 2597 | 2743 | 2679 | 2218 | 1949 |
| 151 | 203 | 221 | 125 | 89 |
| 956 | 927 | 789 | 686 | 555 |
| 41.6 | 41.6 | 40.6 | 40.6 | 40.6 |
| 3.3 | 4.1 | 3.5 | 2.9 | 2.2 |
| 24.5 | 23.0 | 20.3 | 18.1 | 16.9 |
| 1.8 | 1.8 | 1.8 | 1.6 | 1.5 |
| 5.8 | 7.4 | 8.2 | 5.6 | 4.6 |
| 1.8 | 1.0 | 1.1 | 1.1 | 1.1 |
| 1.2 | 0.6 | 1.1 | 1.4 | 1.7 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Source: Wow.Indiabulls.com (on 14-11-2007)

## Lets Value Chambal Fertilisers

Financials Rs (in Crores) For the year
Operating Income Net Profit Net Worth No. of Shares (in crore) Adjusted EPS (Rs) Book value per Share (Rs) Dvdnd per Share (Rs)
Net Profit Margin (\%) Current Ratio Lt Debt Equity

Chambal Fertilisers and Chemicals Limited

| 703 | 603 | 503 | 403 | 303 |
| :---: | :---: | :---: | :---: | :---: |
| 2597 | 2743 | 2679 | 2218 | 1949 |
| 151 | 203 | 221 | 125 | 89 |
| 956 | 927 | 789 | 686 | 555 |
| 41.6 | 41.6 | 40.6 | 40.6 | 40.6 |
| 3.3 | 4.1 | 3.5 | 2.9 | 2.2 |
| 24.5 | 23.0 | 20.3 | 18.1 | 16.9 |
| 1.8 | 1.8 | 1.8 | 1.6 | 1.5 |
| 5.8 | 7.4 | 8.2 | 5.6 | 4.6 |
| 1.8 | 1.0 | 1.1 | 1.1 | 1.1 |
| 1.2 | 0.6 | 1.1 | 1.4 | 1.7 |


| Return on Equity (\%) | 13.3 | 17.8 | 17.2 | 15.9 | 13.0 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Current Market Price Per Share | Rs. 52.6 |  |  |  |  |
| Current Market Capitalization | Rs. 2,189 Crores |  |  |  |  |

Source: wow. Indiabulls.com (on 14-11-2007)

## Constant Growth Model Example

Chambal Fertilisers \& Chemicals Limited (CFCL), listed on BSE, has an expected growth rate of $8 \%$.

Each common equity share just received an annual Rs. 1.80 dividend per share. The appropriate discount rate is $12 \%$. What is the value of the above shares?
$\mathrm{D}_{1}=$ Rs. 1.80 (1 + .08)
$\mathrm{V}_{\mathrm{CF}}=\mathrm{D}_{1} /\left(\mathrm{k}_{\mathrm{e}}-\mathrm{g}\right)=\mathrm{D}_{1} /(.12-.08)$
= Rs. 48.6

## Lets Value

Financials Rs (in Crores)

For the year
Operating Income Net Profit Net Worth
No. of Shares (in crore) Adjusted EPS (Rs)
Book value per Share (Rs) Dvdnd per Share (Rs)
Net Profit Margin (\%) Current Ratio Lt Debt Equity

| Mar. 07 | Mar. 06 | Mar. 05 | Mar. 04 | Mar. 03 |
| :---: | :---: | :---: | :---: | :---: |
| 130 | 114 | 104 | 111 | 134 |
| 25 | 27 | 24 | 22 | 19 |
| 23 | 23 | 134 | 121 | 105 |
| 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 11.1 | 11.9 | 10.4 | 10.3 | 10.7 |
| 69.4 | 84.6 | 75.2 | 67.2 | 58.3 |
| 2.3 | 2.3 | 2.3 | 2.0 | 2.0 |
| 19.4 | 23.3 | 22.2 | 18.2 | 14.2 |
| 7.8 | 15.6 | 11.7 | 4.7 | 4.2 |
| 4.4 | 3.2 | 3.0 | 2.9 | 3.0 |

Source: wow Indiabulls.com (on 14-11-2007)

## Lets Value First Leasing $\ldots$...

Financials Rs (in Crores) First Leasing Company of India

## For the year

 Operating Income Net Profit Net WorthNo. of Shares (in crore)
Adjusted EPS (Rs)
Book value per Share (Rs)
Dvdnd per Share (Rs)
Net Profit Margin (\%)
Current Ratio
Lt Debt Equity
Mar. 07 Mar. 06 Mar. 05 Mar. 04

111
22
121
2.3
10.3
$67.2 \quad 58.3$
2.0
2.0

| Return on Equity (\%) | 16.0 | 14.1 | 13.8 | 15.4 | 18.3 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Current Market Price Per Share | Rs. 47.2 |  |  |  |  |
| Current Market Capitalization | Rs. 107.4 Crores |  |  |  |  |

Source: wow.Indiabulls.com (on 14-11-2007)

## Growth Phases Moded

The growth phases model assumes that dividends for each share will grow at two or more different growth rates.


## Growth Phases Model

Note that the second phase of the growth phases model assumes that dividends will grow at a constant rate $\mathrm{g}_{2}$. We can rewrite the formula as:

$$
V=\sum_{t=1}^{n} \frac{D_{0}(1+)^{t}}{\left(1+k_{e}\right)^{t}}+\left[\frac{1}{\left(1+k_{e}\right)^{n}}\right]\left[\frac{D_{n+1}}{\left(-g_{e}\right)}\right]
$$

| Financials Rs (in Crores) | Satyam | Compute |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| For the year | 703 | 603 | 503 | 403 | 303 |
| Operating Income | 6228 | 4634 | 3464 | 2542 | 2024 |
| Net Profit | 1423 | 1240 | 750 | 556 | 307 |
| Net Worth | 5765 | 4333 | 3216 | 2580 | 2134 |
| No. of Shares (in crore) | 66.7 | 32.4 | 31.9 | 31.6 | 31.5 |
| Adjusted EPS (Rs) | 21.1 | 30.2 | 24.1 | 18.0 | 14.8 |
| Book value per Share (Rs) | 86.7 | 133.6 | 100.8 | 81.6 | 67.9 |
| Dudnd per Share (Rs) | 3.5 | 7.0 | 5.0 | 4.0 | 3.0 |
| Net Profit Margin (\%) | 22.2 | 26.1 | 21.0 | 21.1 | 14.9 |
| Current Ratio | 5.9 | 6.3 | 7.3 | 7.3 | 5.6 |
| Lt Debt Equity | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Source: whw. Indiabuls.com (on 14-11-2007) |  |  |  |  |  |

## Lets Value Satyam Comp

Financials Rs (in Crores) Satyam Computers

| For the year | 703 | 603 | 503 | 403 | 303 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Operating Income | 6228 | 4634 | 3464 | 2542 | 2024 |
| Net Profit | 1423 | 1240 | 750 | 556 | 307 |
| Net Worth | 5765 | 4333 | 3216 | 2580 | 2134 |
| No. of Shares (in crore) | 66.7 | 32.4 | 31.9 | 31.6 | 31.5 |
| Adjusted EPS (Rs) | 21.1 | 30.2 | 24.1 | 18.0 | 14.8 |
| Book value per Share (Rs) | 86.7 | 133.6 | 100.8 | 81.6 | 67.9 |
| Dvind per Share (Rs) | 3.5 | 7.0 | 5.0 | 4.0 | 3.0 |
| Net Profit Margin (\%) | 22.2 | 26.1 | 21.0 | 21.1 | 14.9 |
| Current Ratio | 5.9 | 6.3 | 7.3 | 7.3 | 5.6 |
| Lt Debt Equity | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


| Return on Equity (\%) | 24.4 | 22.6 | 24.0 | 22.1 | 21.8 |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Current Market Price Per Share <br> Rs. 411 <br> Current Market Capitalization Rs. 27,491 Crores

Source: wow. Indiabulls.com (on 14-11-2007)

## Lets Value ...

Financials Rs (in Crores)
For the year
Operating Income

Net Profit
Net Worth
No. of Shares (in crore)
Adjusted EPS (Rs)
Book value per Share (Rs)
Dvdnd per Share (Rs)
Net Profit Margin (\%)
Current Ratio
Lt Debt Equity

## Lets Value Kohinoor Foods

Financials Rs (in Crores) Kohinoor Foods

| For the year | 703 | 603 | 503 | 403 | 303 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Operating Income | 589 | 540 | 507 | 532 | 453.9 |
| Net Profit | 22 | 21 | 15 | 13 | 9.49 |
| Net Worth | 139 | 118 | 106 | 95 | 84.47 |
| No. of Shares (in crore) | 2.0 | 2.0 | 2.0 | 2.0 | 1.96 |
| Adjusted EPS (Rs) | 11.3 | 10.5 | 7.9 | 6.6 | 4.87 |
| Book value per Share (Rs) | 70.7 | 60.4 | 54.1 | 48.2 | 43.1 |
| Dvdnd per Share (Rs) | 1.0 | 2.2 | 2.0 | 1.5 | 1.31 |
| Net Profit Margin (\%) | 3.7 | 3.8 | 3.0 | 2.4 | 2.06 |
| Current Ratio | 8.0 | 8.7 | 7.2 | 11.6 | 17.38 |
| Lt Debt Equity | 1.4 | 0.8 | 0.3 | 0.2 | 0.19 |


| Return on Equity (\%) | 15.9 | 17.5 | 14.6 | 13.7 | 11.3 |
| :--- | :---: | :---: | :---: | :---: | :---: |


| Current Market Price Per Share | Rs. 51.1 |
| :--- | :--- | :--- |

Current Market Capitalization $\quad$ Rs. 100.3 Crores
Source: wdw.Indiabulls.com (on 14-11-2007)

## Growth Phases Model Example

Stock Kohinoor Foods has an expected growth rate of 50\% for the next 3 years and 7\% thereafter. Each share of stock just received an annual Rs. 1.00 dividend per share (on Rs. 10 par value). The appropriate discount rate is $12 \%$. What is the value of the common stock under this scenario?

## Gounh Phasestuoded Exanple



Kohinoor Foods has two phases of growth. The first, $50 \%$, starts at time $\mathbf{t = 0}$ and is followed by $7 \%$ thereafter starting at time 3. We should view the time line as two separate time lines in the valuation.

## Growth-Phases Model Example



Growth Phase \#1 plus the infinitely long Phase \#2
0 1
2
5
6


Note that we can value Phase \#2 using the Constant Growth
Model

## Growth Phasestuoded Example

## $V_{3}=D_{4}$

We can use this model because dividends grow at a constant 7\% rate beginning at the end of Year 3.
0
1
23
4
5
6

$\mathrm{D}_{4}$
$D_{5}$
$\mathrm{D}_{6}$

Note that we can now replace all dividends from Year 4 to infinity with the value at time $\mathrm{t}=3, \mathrm{~V}_{3}$ ! Simpler!!

## Growth-Phasestiodel Example



Now we only need to find the first four dividends to calculate the necessary cash flows.

## Growth-Phases Model Example

Determine the annual dividends.
$D_{0}=$ Rs. 1.00 (this has been paid already)
$D_{1}=D_{0}\left(1+g_{1}\right)^{1}=$ Rs. $1.00(1.5)^{1}=R S_{s .1 .50}$
$D_{2}=D_{0}\left(1+g_{1}\right)^{2}=$ Rs. $1.00(1.5)^{2}=R R_{s .2} .25$
$D_{3}=D_{0}\left(1+g_{1}\right)^{3}=$ Rs. $1.00(1.5)^{3}=$ RS. 3.37
$D_{4}=D_{3}\left(1+g_{2}\right)^{1}=$ Rs.3.37(1.07) ${ }^{1}=$ Rss.3. 6.1

## Growth-Phases Model Example



Now we need to find the present value of the cash flows.

## Growth-Phases Model Example

Finally, we calculate the intirinsicic value by summing all the cash flow present values.


## Valuation ...

- Intrinsic value represents the price a security "ought to have" based on all factors bearing on valuation.
- Intrinsic Value vis-à-vis Market Value


## Capitalization Rate

- Can be estimated using the perpetuity formula, given minor algebraic manipulation


## Determining the Yield on Common Stock

Assume the constant growth model is appropriate. Determine the yield on the common stock.

$$
P_{0}=D_{1} /\left(k_{e}-g\right)
$$

Solving for $k_{e}$ such that

$$
k_{e}=\left(D_{1} / P_{0}\right)+g
$$

DIFFERENT APPROACHES CONTINUES ...
$\qquad$

## Valuation

Dividend Discount Model: Computation of today's share price which states that share value equals the present value of all expected future dividends
Suppose, a Co-operative Sugar Unit in Uttar Pradesh is up for sale/divestment ... how do you value it?

- Book Value Model: Net worth of a firm according to the balance sheet
- Liquidation Model: Net proceeds that would be realized by selling the firm's assets and paying off its creditors


## Valuation ...

- Market Value Balance Sheet: Financial statement that uses market value of assets and liabilities
Price Earnings Ratio Model $\square$
But, firms are more valuable as going concerns (??) and their ability to generate future cash flows. Market values are more relevant for finance.
- Discounted Cash Flow Model


## Example

- Kilburn Chemicals is selling for Rs. 50 in the stock market, what might the market be assuming about the growth in dividends?
- It is known that the dividend declared by it in last year was 20\%.
- It is given that $15 \%$ is the expected return
- Answer: The market is assuming the dividend will grow at 10.6\% per year, indefinitely.

| Financials Rs (in Crores) | Kilburn Chemicals |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| For the year | 703 | 603 | 503 | 403 |
| Operating Income | 72 | 63 | 54 | 45.86 |
| Net Profit | 7 | 8 | 3 | 2.24 |
| Net Worth | 32 | 27 | 21 | 19.38 |
| No. of Shares (in crore) | 0.7 | 0.7 | 0.7 | 0.74 |
| Adjusted EPS (Rs) | 8.7 | 10.8 | 4.2 | 2.47 |
| Book value per Share (Rs) | 43.2 | 36.8 | 28.4 | 26.37 |
| Dwdnd per Share (Rs) | 2.0 | 2.0 | 1.8 | 1.5 |
| Net Profit Margin (\%) | 9.7 | 13.4 | 6.4 | 4.88 |
| Current Ratio | 2.4 | 3.1 | 3.3 | 3.59 |
| Lt Debt Equity | 0.8 | 0.9 | 0.7 | 0.97 |
|  |  |  |  |  |

Source: wow. Indiabulls.com (on 14-11-2007)

## Valuation ...

- Return Measures
- Dividend Yield $=\operatorname{Div}_{1} / P_{0}$
- Return on Equity (ROE) = EPS/BV [a.k.a Return on Net Worth (RONW)]
- What happens if Kilburn Chemicals decides to pay a lower dividend, and reinvest the funds, the stock price may increase because the future dividends may be higher.

| Financials Rs (in Crores) | Kilburn Chemicals |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| For the year | 703 | 603 | 503 | 403 |
| Operating Income | 72 | 63 | 54 | 45.86 |
| Net Profit | 7 | 8 | 3 | 2.24 |
| Net Worth | 32 | 27 | 21 | 19.38 |
| No. of Shares (in crore) | 0.7 | 0.7 | 0.7 | 0.74 |
| Adjusted EPS (Rs) | 8.7 | 10.8 | 4.2 | 2.47 |
| Book value per Share (Rs) | 43.2 | 36.8 | 28.4 | 26.37 |
| Dwdind per Share (Rs) | 2.0 | 2.0 | 1.8 | 1.5 |
| Net Profit Margin (\%) | 9.7 | 13.4 | 6.4 | 4.88 |
| Current Ratio | 2.4 | 3.1 | 3.3 | 3.59 |
| Lt Debt Equity | 0.8 | 0.9 | 0.7 | 0.97 |
| Return on Equity (\%) | 20.1 | 29.3 | 14.7 | 9.4 |

## Financials Rs (in Crores)

## For the year <br> Operating Income

Net Profit
Net Worth
No. of Shares (in crore)
Adjusted EPS (Rs)
Book value per Share (Rs)
Dvdnd per Share (Rs)
Net Profit Margin (\%)
Current Ratio
Lt Debt Equity

Pioneer Distilleries

| 703 | 603 | 503 | 403 |
| :--- | :--- | :--- | :--- | :--- |

## Stock price and EPS link

- Payout ratio: Fraction of earnings paid out as dividends
- Ploughback ratio: Fraction of earnings retained by the firm
- Growth can be derived from applying the return on equity to the percentage of earnings ploughed back into operations.
- $\mathrm{P}_{0}=\mathrm{E}_{1}(1-\mathrm{b}) /\left(\mathrm{k}_{\mathrm{e}}-\right.$ ROE $\left.\times b\right)$


## Stock price and EPS link

$\square$ So, justified price-earnings ratio becomes $P_{0} / E_{1}=(1-b) /\left(k_{e}-\right.$ ROE $\left.\times b\right)$

- P/E Ratio and Ploughback Ratio
- If, ROE > $\mathrm{k}_{\mathrm{e}}$ then $\uparrow$ in bleads to $\uparrow$ in P/E
$\square$ If, ROE < $k_{e}$ then $\uparrow$ in b leads to $\downarrow$ in P/E
- P/E Ratio and Interest Rate
- P/E Ratio and Risk
- P/E Ratio and Liquidity


## Example

- Supreme Petrochemicals Ltd. (SPL) forecasts to pay a Rs. 5.00 dividend next year, which represents $100 \%$ of its earnings. This will provide investors with a 12\% expected return. Instead, Saket suggests to blow back 40\% of the earnings at the firm's current return on equity of $20 \%$. What is the value of the stock before and after the ploughback decision.


## Example ... Continued

- Answer: If the company did not ploughback some earnings, the stock price would remain at Rs. 41.67. With the ploughback, the price rises to Rs. 75.00
- The difference between these two numbers $(75.00-41.67=33.33)$ is called the Present Value of Growth Opportunities (PVGO)


## Share Price ...

- In other words, PVGO is Net Present Value (NPV) of a firm's future investments
- Sustainable Growth Rate: Steady rate at which a firm can grow (= ROE $\times$ ploughback ratio)
- Share price = present value of level stream of earnings + present value of growth opportunities


## FCF and PV

- Free Cash Flows (FCF) should be the theoretical basis for all PV calculations
- FCF is a more accurate measurement of PV than either Div or EPS
- The market price does not always reflect the PV of FCF
- When valuing a business for purchase, always use FCF


## Valuing a business

- The value of a business is usually computed as the discounted value of FCF out to a valuation horizon (H) $\square$
- The valuation horizon is sometimes called the terminal value and is calculated like PVGO.


## Book Value

- An accounting measure and can be established easily
But,
- Accounting conventions and policies are subject to a lot of subjectivity and arbitrariness
- Also, historical figures are quite divergent from current economic value/earnings power


## Liquidation Value

- Though it is more realistic than book value
But,
- It is difficult to estimate the amounts to be realized from the liquidation of various assets
- It also does not reflect earnings capacity of the business


# List of Sugar Mills in U.P. 

| Bajaj Hindustan | New Swadeshi Sugar Mills |
| :--- | :--- |
| Balrampur Chini Mills | Oswal Overseas |
| Basti Sugar Mills | Oudh Sugar Mills |
| Birla Sugar Mills | Pratappur Sugar \& Ind.. |
| Chilwaria Sugars | Ramalal Sahakari Chini Mills |
| Daya Sugar | Rosa Sugar Works. |
| Dwarikesh Sugar Industry | Saraya Sugar Mills |
| Govind Nagar Sugar Mills | Seksaria Biswan Sugar Factory |
| H.M.P.Sugar Ltd | Shravasti Kisan Sahakari Chini Mills |
| ISGEC | Simbhaoli Sugar Mills |
| J.K.Sugar | The Bharat Sugar Mills |
| K.M.Sugar Mills | The Saraswati Sugar Mills |
| Kasturi Sugar Mills | The United Provinces Sugar Chemic |
| Kisan Sahakari Chini Mills | Titawi Sugar Complex. |
| Mahalakshmi Sugar Mills | Tulsipur Sugar Co. |
| Mawana Sugar Mills | U.P.State Sugar Corporation |
| Motilal Padampat Udyog | Upper Doab Sugar Mills |
| New India Sugar Mills | Upper Ganges Sugar Ind. |

## Available Data of Similar Sugar Mills

## 14/112007

Price EV PIRN EPS P/EPS
Upper Ganges Sugar Dwarikesh Sugar Riga Sugar K M Sugar Rana Sugar Mawana Sugar

| 78 | 144 | 0.5 | 41.0 | 1.9 |
| ---: | ---: | ---: | ---: | ---: |
| 50 | 97 | 0.6 | 13.4 | 4.3 |
| 25 | 51 | 0.5 | 15.0 | 1.7 |
| 21 | 36 | 0.6 | 6.7 | 3.1 |
| 17 | 26 | 0.6 | 3.8 | 4.3 |
| 28 | 57 | 0.5 | 2.5 | 11.2 |

- 



