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FINANCIAL MANAGEMENT

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# UNIT- 1 INTRODUCTION TO FINANCIAL MANAGEMENT

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*Introduction to Financial Management*

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## INTRODUCTION

Business concern needs finance to meet their requirements in the economic world. Any kind of business activity depends on the finance. Hence, it is called as lifeblood of business organization. Whether the business concerns are big or small, they need finance to fulfil their business activities.

In the modern world, all the activities are concerned with the economic activities and very particular to earning profit through any venture or activities. The entire business activities are directly related with making profit. (According to the economics concept of factors of production, rent given to landlord, wage given to labour, interest given to capital and profit given to shareholders or proprietors), a business concern needs finance to meet all the requirements. Hence finance may be called as capital, investment, fund etc., but each term is having different meanings and unique characters. Increasing the profit is the main aim of any kind of economic activity.

## MEANING OF FINANCE

Finance may be defined as the art and science of managing money. It includes financial service and financial instruments. Finance also is referred as the provision of money at the time when it is needed. Finance function is the procurement of funds and their effective utilization in business concerns. The concept of finance includes capital, funds, money, and amount. But each word is having unique meaning. Studying and understanding the concept of finance become an important part of the business concern.

## DEFINITION OF FINANCE

According to Khan and Jain, "Finance is the art and science of managing money". According to Oxford dictionary, the word 'finance' connotes 'management of money'.

Webster’s Ninth New Collegiate Dictionary defines finance as “the Science on study of the management of funds’ and the management of fund as the system that includes the circulation of money, the granting of credit, the making of investments, and the provision of banking facilities.

**DEFINITION OF BUSINESS FINANCE**

According to the Wheeler, “Business finance is that business activity which concerns with the acquisition and conversation of capital funds in meeting financial needs and overall objectives of a business enterprise”.

According to the Guthumann and Dougall, “Business finance can broadly be defined as the activity concerned with planning, raising, controlling, administering of the funds used in the business”.

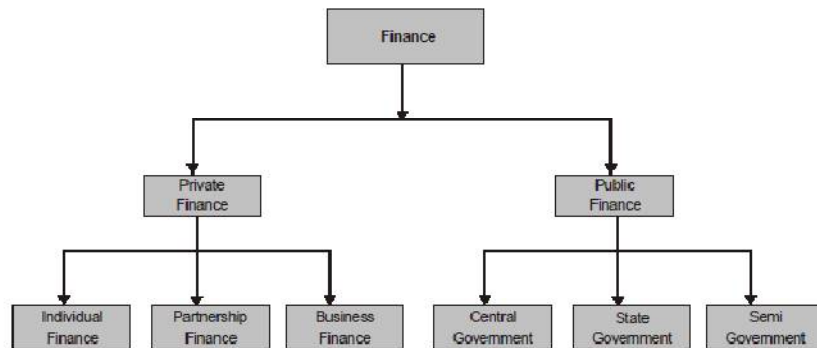
In the words of Parhter and Wert, “Business finance deals primarily with raising, administering and disbursing funds by privately owned business units operating in nonfinancial fields of industry”.

Corporate finance is concerned with budgeting, financial forecasting, cash management, credit administration, investment analysis and fund procurement of the business concern and the business concern needs to adopt modern technology and application suitable to the global environment.

According to the Encyclopedia of Social Sciences, “Corporation finance deals with the financial problems of corporate enterprises. These problems include the financial aspects of the promotion of new enterprises and their administration during early development, the accounting problems connected with the distinction between capital and income, the administrative questions created by growth and expansion, and finally, the financial adjustments required for the bolstering up or rehabilitation of a corporation which has come into financial difficulties”.

**TYPES OF FINANCE**

Finance is one of the important and integral part of business concerns, hence, it plays a major role in every part of the business activities. It is used in all the area of the activities under the different names. Finance can be classified into two major parts:



**Types of Finance**

Private Finance, which includes the Individual, Firms, Business or Corporate Financial activities to meet the requirements. Public Finance which concerns with revenue and disbursement of Government such as Central Government, State Government and Semi-Government Financial matters.

## **DEFINITION OF FINANCIAL MANAGEMENT**

Financial management is an integral part of overall management. It is concerned with the duties of the financial managers in the business firm. The term financial management has been defined by Solomon, “It is concerned with the efficient use of an important economic resource namely, capital funds”.

The most popular and acceptable definition of financial management as given by S.C. Kuchal is that “Financial Management deals with procurement of funds and their effective utilization in the business”.

Howard and Upton: Financial management “as an application of general managerial principles to the area of financial decision-making.

Weston and Brigham: Financial management “is an area of financial decision-making, harmonizing individual motives and enterprise goals”.

Joshep and Massie: Financial management “is the operational activity of a business that is responsible for obtaining and effectively utilizing the funds necessary for efficient operations.

Thus, Financial Management is mainly concerned with the effective funds management in the business. In simple words, Financial Management as practiced by business firms can be called as Corporation Finance or Business Finance.

## **SCOPE OF FINANCIAL MANAGEMENT**

Financial management is one of the important parts of overall management, which is directly related with various functional departments like personnel, marketing and production. Financial management covers wide area with multidimensional approaches. The following are the important scope of financial management.

### **1. Financial Management and Economics**

Economic concepts like micro and macroeconomics are directly applied with the financial management approaches. Investment decisions, micro and macro environmental factors are closely associated with the functions of financial manager. Financial management also uses the economic equations like money value discount factor, economic order quantity etc. Financial economics is one of the emerging area, which provides immense opportunities to finance, and economical areas.

### **2. Financial Management and Accounting**

Accounting records includes the financial information of the business concern. Hence, we can easily understand the relationship between the financial management and accounting. In the olden periods, both financial management and accounting are treated as a same discipline and then it has been merged as Management Accounting because this part is very much helpful to finance manager to take decisions. But nowadays financial management and accounting discipline are separate and interrelated.

### **3. Financial Management or Mathematics**

Modern approaches of the financial management applied large number of mathematical and statistical tools and techniques. They are also called as econometrics. Economic order quantity, discount factor, time value of money, present value of money, cost of capital, capital structure theories, dividend theories, ratio analysis and working capital analysis are used as

*Financial Management* mathematical and statistical tools and techniques in the field of financial management.

*Notes*

#### **4. Financial Management and Production Management**

Production management is the operational part of the business concern, which helps to multiple the money into profit. Profit of the concern depends upon the production performance. Production performance needs finance, because production department requires raw material, machinery, wages, operating expenses etc. These expenditures are decided and estimated by the financial department and the finance manager allocates the appropriate finance to production department. The financial manager must be aware of the operational process and finance required for each process of production activities.

#### **5. Financial Management and Marketing**

Produced goods are sold in the market with innovative and modern approaches. For this, the marketing department needs finance to meet their requirements. The financial manager or finance department is responsible to allocate the adequate finance to the marketing department. Hence, marketing and financial management are interrelated and depends on each other.

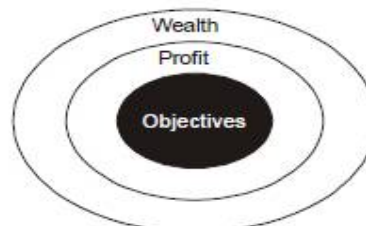
#### **6. Financial Management and Human Resource**

Financial management is also related with human resource department, which provides manpower to all the functional areas of the management. Financial manager should carefully evaluate the requirement of manpower to each department and allocate the finance to the human resource department as wages, salary, remuneration, commission, bonus, pension and other monetary benefits to the human resource department. Hence, financial management is directly related with human resource management.

### **OBJECTIVES OF FINANCIAL MANAGEMENT**

Effective procurement and efficient use of finance lead to proper utilization of the finance by the business concern. It is the essential part of the financial manager. Hence, the financial manager must determine the basic objectives of the financial management. Objectives of Financial Management may be broadly divided into two parts such as:

1. Profit maximization
2. Wealth maximization.



#### **Objectives of Financial Management**

##### **Profit Maximization**

Main aim of any kind of economic activity is earning profit. A business concern is also functioning mainly for the purpose of earning profit. Profit is the measuring techniques to understand the business efficiency of the concern. Profit maximization is also the traditional and narrow



approach, which aims at, maximizes the profit of the concern. Profit maximization consists of the following important features.

1. Profit maximization is also called as cashing per share maximization. It leads to maximize the business operation for profit maximization.
2. Ultimate aim of the business concern is earning profit, hence, it considers all the possible ways to increase the profitability of the concern.
3. Profit is the parameter of measuring the efficiency of the business concern. So it shows the entire position of the business concern.
4. Profit maximization objectives help to reduce the risk of the business.

#### **Favourable Arguments for Profit Maximization**

The following important points are in support of the profit maximization objectives of the business concern:

- (i) Main aim is earning profit.
- (ii) Profit is the parameter of the business operation.
- (iii) Profit reduces risk of the business concern.
- (iv) Profit is the main source of finance.
- (v) Profitability meets the social needs also.

#### **Unfavourable Arguments for Profit Maximization**

The following important points are against the objectives of profit maximization:

- (i) Profit maximization leads to exploiting workers and consumers.
- (ii) Profit maximization creates immoral practices such as corrupt practice, unfair trade practice, etc.
- (iii) Profit maximization objectives leads to inequalities among the stake holders such as customers, suppliers, public shareholders, etc.

#### **Drawbacks of Profit Maximization**

Profit maximization objective consists of certain drawback also:

- (i) It is vague: In this objective, profit is not defined precisely or correctly. It creates some unnecessary opinion regarding earning habits of the business concern.
- (ii) It ignores the time value of money: Profit maximization does not consider the time value of money or the net present value of the cash inflow. It leads certain differences between the actual cash inflow and net present cash flow during a particular period.
- (iii) It ignores risk: Profit maximization does not consider risk of the business concern. Risks may be internal or external which will affect the overall operation of the business concern.

#### **Wealth Maximization**

Wealth maximization is one of the modern approaches, which involves latest innovations and improvements in the field of the business concern. The term wealth means shareholder wealth or the wealth of the persons those who are involved in the business concern. Wealth maximization is also known as value maximization or net present worth maximization. This objective is an universally accepted concept in the field of business.

#### **Favourable Arguments for Wealth Maximization**

- (i) Wealth maximization is superior to the profit maximization because the main aim of the business concern under this concept is to improve the value or wealth of the shareholders.

(ii) Wealth maximization considers the comparison of the value to cost associated with the business concern. Total value detected from the total cost incurred for the business operation. It provides extract value of the business concern.

(iii) Wealth maximization considers both time and risk of the business concern.

(iv) Wealth maximization provides efficient allocation of resources.

(v) It ensures the economic interest of the society.

**Unfavourable Arguments for Wealth Maximization**

(i) Wealth maximization leads to prescriptive idea of the business concern but it may not be suitable to present day business activities.

(ii) Wealth maximization is nothing, it is also profit maximization, it is the indirect name of the profit maximization.

(iii) Wealth maximization creates ownership-management controversy.

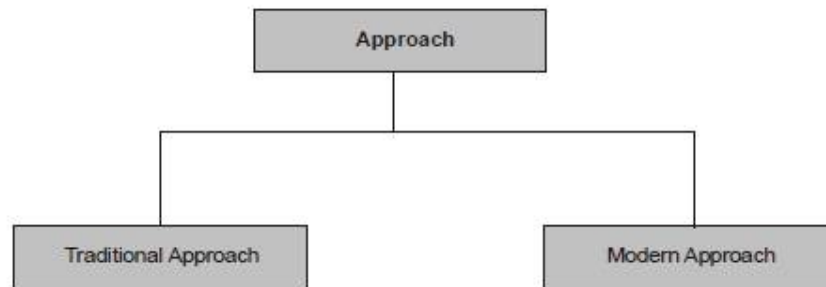
(iv) Management alone enjoy certain benefits.

(v) The ultimate aim of the wealth maximization objectives is to maximize the profit.

(vi) Wealth maximization can be activated only with the help of the profitable position of the business concern.

**APPROACHES TO FINANCIAL MANAGEMENT**

Financial management approach measures the scope of the financial management in various fields, which include the essential part of the finance. Financial management is not a revolutionary concept but an evolutionary. The definition and scope of financial management has been changed from one period to another period and applied various innovations. Theoretical points of view, financial management approach may be broadly divided into two major parts.



**Approaches to Finance Management**

**Traditional Approach**

Traditional approach is the initial stage of financial management, which was followed, in the early part of during the year 1920 to 1950. This approach is based on the past experience and the traditionally accepted methods. Main part of the traditional approach is rising of funds for the business concern. Traditional approach consists of the following important area.

- Arrangement of funds from lending body.
- Arrangement of funds through various financial instruments.
- Finding out the various sources of funds.

## **FUNCTIONS OF FINANCE MANAGER**

Finance function is one of the major parts of business organization, which involves the permanent and continuous process of the business concern. Finance is one of the interrelated functions which deal with personal function, marketing function, production function and research and development activities of the business concern. At present, every business concern concentrates more on the field of finance because, it is a very emerging part which reflects the entire operational and profit ability position of the concern. Deciding the proper financial function is the essential and ultimate goal of the business organization. Finance manager is one of the important role players in the field of finance function.

He must have entire knowledge in the area of accounting, finance, economics and management. His position is highly critical and analytical to solve various problems related to finance. A person who deals finance related activities may be called finance manager.

Finance manager performs the following major functions:

### **1. Forecasting Financial Requirements**

It is the primary function of the Finance Manager. He is responsible to estimate the financial requirement of the business concern. He should estimate, how much finances required to acquire fixed assets and forecast the amount needed to meet the working capital requirements in future.

### **2. Acquiring Necessary Capital**

After deciding the financial requirement, the finance manager should concentrate how the finance is mobilized and where it will be available. It is also highly critical in nature.

### **3. Investment Decision**

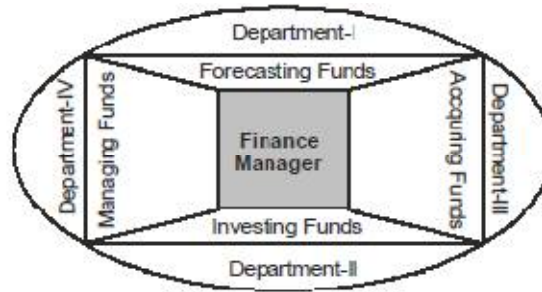
The finance manager must carefully select best investment alternatives and consider the reasonable and stable return from the investment. He must be well versed in the field of capital budgeting techniques to determine the effective utilization of investment. The finance manager must concentrate to principles of safety, liquidity and profitability while investing capital.

### **4. Cash Management**

Present days cash management plays a major role in the area of finance because proper cash management is not only essential for effective utilization of cash but it also helps to meet the short-term liquidity position of the concern.

### **5. Interrelation with Other Departments**

Finance manager deals with various functional departments such as marketing, production, personel, system, research, development, etc. Finance manager should have sound knowledge not only in finance related area but also well versed in other areas. He must maintain a good relationship with all the functional departments of the business organization.



### Functions of Financial Manager

## IMPORTANCE OF FINANCIAL MANAGEMENT

Finance is the lifeblood of business organization. It needs to meet the requirement of the business concern. Each and every business concern must maintain adequate amount of finance for their smooth running of the business concern and also maintain the business carefully to achieve the goal of the business concern. The business goal can be achieved only with the help of effective management of finance. We can't neglect the importance of finance at any time and at any situation. Some of the importance of the financial management is as follows:

### Financial Planning

Financial management helps to determine the financial requirement of the business concern and leads to take financial planning of the concern. Financial planning is an important part of the business concern, which helps to promotion of an enterprise.

### Acquisition of Funds

Financial management involves the acquisition of required finance to the business concern. Acquiring needed funds play a major part of the financial management, which involve possible source of finance at minimum cost.

### Proper Use of Funds

Proper use and allocation of funds leads to improve the operational efficiency of the business concern. When the finance manager uses the funds properly, they can reduce the cost of capital and increase the value of the firm.

### Financial Decision

Financial management helps to take sound financial decision in the business concern. Financial decision will affect the entire business operation of the concern. Because there is a direct relationship with various department functions such as marketing, production personnel, etc.

### Improve Profitability

Profitability of the concern purely depends on the effectiveness and proper utilization of funds by the business concern. Financial management helps to improve the profitability position of the concern with the help of strong financial control devices such as budgetary control, ratio analysis and cost volume profit analysis.

### Increase the Value of the Firm

Financial management is very important in the field of increasing the wealth of the investors and the business concern. Ultimate aim of any business concern will achieve the maximum profit and higher

profitability leads to maximize the wealth of the investors as well as the nation.

### **Promoting Savings**

Savings are possible only when the business concern earns higher profitability and maximizing wealth. Effective financial management helps to promoting and mobilizing individual and corporate savings.

Nowadays financial management is also popularly known as business finance or corporate finances. The business concern or corporate sectors cannot function without the importance of the financial management.

### **REVIEW QUESTIONS**

1. What is finance? Define business finance.
2. Explain the types of finance.
3. Discuss the objectives of financial management.
4. Critically evaluate various approaches to the financial management.
5. Explain the scope of financial management.
6. Discuss the role of financial manager.
7. Explain the importance of financial management.

### **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth
6. Financial Management - Glen Arnold

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# UNIT-2 FINANCIAL STATEMENT ANALYSIS

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- ❖ Meaning And Definition
- ❖ Types Of Financial Statement Analysis
- ❖ Techniques Of Financial Statement
- ❖ Analysis
- ❖ Trend Analysis
- ❖ Funds Flow Statement
- ❖ Cash Flow Statement
- ❖ Ratio Analysis
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

A financial statement is an official document of the firm, which explores the entire financial information of the firm. The main aim of the financial statement is to provide information and understand the financial aspects of the firm. Hence, preparation of the financial statement is important as much as the financial decisions.

## MEANING AND DEFINITION

According to Hamptors John, the financial statement is an organized collection of data according to logical and consistent accounting procedures. Its purpose is to convey an understanding of financial aspects of a business firm. It may show a position at a moment of time as in the case of a balance-sheet or may reveal a service of activities over a given period of time, as in the case of an income statement.

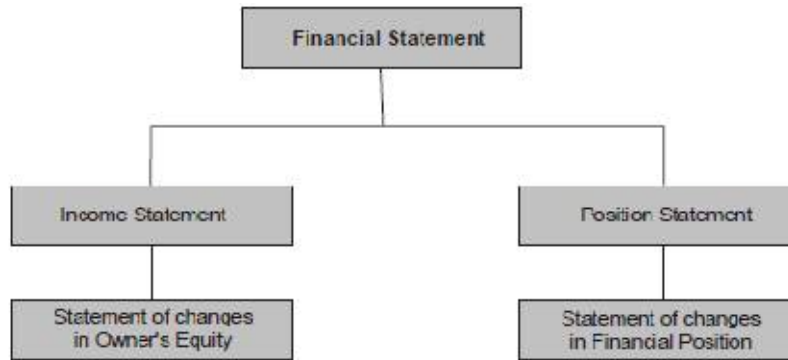
Financial statements are the summary of the accounting process, which, provides useful information to both internal and external parties. John N. Nyer also defines it “Financial statements provide a summary of the accounting of a business enterprise, the balance-sheet reflecting the assets, liabilities and capital as on a certain data and the income statement showing the results of operations during a certain period”.

Financial statements generally consist of two important statements:

- (i) The income statement or profit and loss account.
- (ii) Balance sheet or the position statement.

A part from that, the business concern also prepares some of the other parts of statements, which are very useful to the internal purpose such as:

- (i) Statement of changes in owner’s equity.
- (ii) Statement of changes in financial position.



### Financial Statement

#### Income Statement

Income statement is also called as profit and loss account, which reflects the operational position of the firm during a particular period. Normally it consists of one accounting year. It determines the entire operational performance of the concern like total revenue generated and expenses incurred for earning that revenue. Income statement helps to ascertain the gross profit and net profit of the concern. Gross profit is determined by preparation of trading or manufacturing a/c and net profit is determined by preparation of profit and loss account.

#### Position Statement

Position statement is also called as balance sheet, which reflects the financial position of the firm at the end of the financial year.

Position statement helps to ascertain and understand the total assets, liabilities and capital of the firm. One can understand the strength and weakness of the concern with the help of the position statement.

#### Statement of Changes in Owner's Equity

It is also called as statement of retained earnings. This statement provides information about the changes or position of owner's equity in the company. How the retained earnings are employed in the business concern. Nowadays, preparation of this statement is not popular and nobody is going to prepare the separate statement of changes in owner's equity.

#### Statement of Changes in Financial Position

Income statement and position statement shows only about the position of the finance, hence it can't measure the actual position of the financial statement. Statement of changes in financial position helps to understand the changes in financial position from one period to another period.

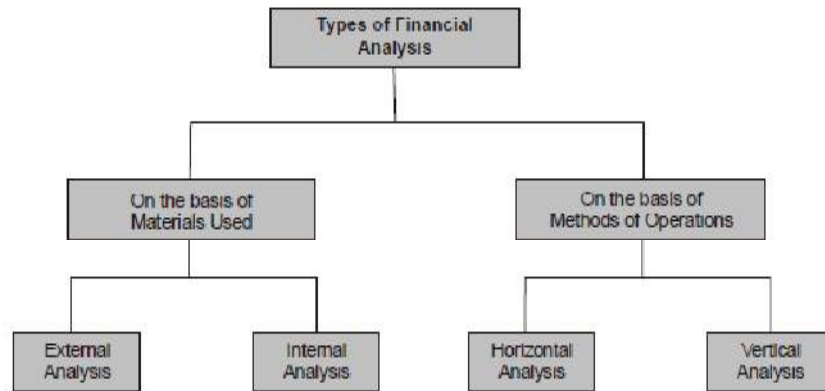
Statement of changes in financial position involves two important areas such as fund flow statement which involves the changes in working capital position and cash flow statement which involves the changes in cash position.

### TYPES OF FINANCIAL STATEMENT ANALYSIS

Analysis of Financial Statement is also necessary to understand the financial positions during a particular period. According to Myres, "Financial statement analysis is largely a study of the relationship among the various financial factors in a business as disclosed by a single set of statements and a study of the trend of these factors as shown in a series of statements". Analysis of financial statement may be broadly classified

Financial Management into two important types on the basis of material used and methods of operations.

Notes



### Types of Financial Statement Analysis

#### 1. Based on Material Used

Based on the material used, financial statement analysis may be classified into two major types such as External analysis and internal analysis.

##### A. External Analysis

Outsiders of the business concern do normally external analyses but they are indirectly involved in the business concern such as investors, creditors, government organizations and other credit agencies. External analysis is very much useful to understand the financial and operational position of the business concern. External analysis mainly depends on the published financial statement of the concern. This analysis provides only limited information about the business concern.

##### B. Internal Analysis

The company itself does disclose some of the valuable information's to the business concern in this type of analysis. This analysis is used to understand the operational performances of each and every department and unit of the business concern. Internal analysis helps to take decisions regarding achieving the goals of the business concern.

#### 2. Based on Method of Operation

Based on the methods of operation, financial statement analysis may be classified into two major types such as horizontal analysis and vertical analysis.

##### A. Horizontal Analysis

Under the horizontal analysis, financial statements are compared with several years and based on that, a firm may take decisions. Normally, the current year's figures are compared with the base year (base year is consider as 100) and how the financial information are changed from one year to another. This analysis is also called as dynamic analysis.

##### B. Vertical Analysis

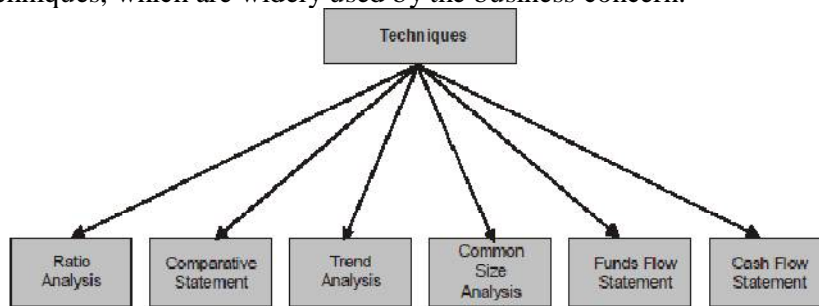
Under the vertical analysis, financial statements measure the quantities relationship of the various items in the financial statement on a particular period. It is also called as static analysis, because, this analysis helps to determine the relationship with various items appeared in the financial



statement. For example, a sale is assumed as 100 and other items are converted into sales figures.

## TECHNIQUES OF FINANCIAL STATEMENT ANALYSIS

Financial statement analysis is interpreted mainly to determine the financial and operational performance of the business concern. A number of methods or techniques are used to analyse the financial statement of the business concern. The following are the common methods or techniques, which are widely used by the business concern.



### Techniques of Financial Statement Analysis

1. Comparative Statement Analysis
  - A. Comparative Income Statement Analysis
  - B. Comparative Position Statement Analysis
2. Trend Analysis
3. Common Size Analysis
4. Fund Flow Statement
5. Cash Flow Statement
6. Ratio Analysis

### Comparative Statement Analysis

Comparative statement analysis is an analysis of financial statement at different period of time. This statement helps to understand the comparative position of financial and operational performance at different period of time.

Comparative financial statements again classified into two major parts such as comparative balance sheet analysis and comparative profit and loss account analysis. Comparative Balance Sheet Analysis

Comparative balance sheet analysis concentrates only the balance sheet of the concern at different period of time. Under this analysis the balance sheets are compared with previous year's figures or one-year balance sheet figures are compared with other years. Comparative balance sheet analysis may be horizontal or vertical basis. This type of analysis helps to understand the real financial position of the concern as well as how the assets, liabilities and capitals are placed during a particular period.

### Exercise 1

The following are the balance sheets of Tamil Nadu Mercantile Bank Ltd., for the years 2003 and 2004 as on 31st March. Prepare a comparative balance sheet and discuss the operational performance of the business concern.

As on 31st March

(Rs. in thousands)

Notes

Liabilities	2003 Rs.	2004 Rs.	Assets	2003 Rs.	2004 Rs.
Capital Reserve and Surplus	2,845	2,845	Cash and Balance with RBI	27,06,808	22,37,601
Deposits	39,66,009	47,65,406	Balance with Banks and Money at call & Borrowings	11,36,781	16,07,975
Other Liabilities	4,08,45,783	4,40,42,730	Investments	2,14,21,060	2,35,37,098
Provisions	7,27,671	2,84,690	Advances	1,95,99,764	2,11,29,869
	16,74,165	17,99,197	Fixed Assets	4,93,996	5,36,442
			Other Assets	18,58,064	18,35,883
	4,72,16,473	5,08,94,868		4,72,16,473	5,08,94,868

**Solution****Comparative Balance Sheet Analysis**

Particulars	Year ending 31st March		Increased/ Decreased (Amount) Rs.	Increased/ Decreased (Percentage) Rs.
	2003 Rs.	2004 Rs.		
<b>Assets</b>				
<b>Current Assets</b>				
Cash and Balance with RBI	27,06,808	22,37,601	(+) 4,69,207	(+) 17.33
Balance with Banks and money at call and short notice	11,36,781	16,07,975	(-) 4,71,194	(-) 41.45
<b>Total Current Assets</b>	<b>38,43,589</b>	<b>38,45,576</b>	<b>1987</b>	<b>0.052</b>
<b>Fixed Assets</b>				
Investments	2,14,21,060	2,35,37,098	(-) 21,16,038	(-) 9.88
Advances	1,95,99,764	2,11,39,069	(-) 15,40,105	(-) 7.06
Fixed Assets	4,93,996	5,36,442	(-) 42,446	(-) 8.59
Other Assets	18,58,064	18,35,883	(+) 22,181	(+) 1.19
<b>Total Fixed Assets</b>	<b>4,33,72,884</b>	<b>4,70,49,292</b>	<b>(+) 36,76,408</b>	<b>8.48</b>
<b>Total Assets</b>	<b>4,72,16,473</b>	<b>5,08,94,868</b>	<b>36,78,395</b>	<b>7.79</b>
<b>Current Liabilities</b>				
Borrowings	7,27,671	2,84,690	(+) 4,42,981	60.88
Other Liability and Provisions	16,74,165	17,99,197	(-) 1,25,032	7.47
<b>Total Current Liability</b>	<b>24,01,836</b>	<b>20,83,887</b>	<b>3,17,949</b>	<b>13.24</b>
<b>Fixed Liability</b>				
Capital	2,845	2,845	—	—
Reserve surplus	39,66,009	47,65,406	(+) 7,99,397	20.16
Deposit	4,08,45,783	4,40,42,730	(+) 31,96,947	7.83
<b>Total Fixed Liability</b>	<b>4,48,14,637</b>	<b>4,88,10,981</b>	<b>(+) 39,96,344</b>	<b>8.92</b>
<b>Total Liability</b>	<b>4,72,16,473</b>	<b>5,08,94,868</b>	<b>36,78,395</b>	<b>7.79</b>

**Comparative Profit and Loss Account Analysis**

Another comparative financial statement analysis is comparative profit and loss account analysis. Under this analysis, only profit and loss account is taken to compare with previous year's figure or compare within the statement. This analysis helps to understand the operational performance of the business concern in a given period. It may be analyzed on horizontal basis or vertical basis.

**Trend Analysis**

The financial statements may be analysed by computing trends of series of information. It may be upward or downward directions which involve the percentage relationship of each and every item of the statement with the common value of 100%. Trend analysis helps to understand the trend relationship with various items, which appear in the financial statements. These percentages may also be taken as index number showing relative changes in the financial information resulting with the various period of time. In this analysis, only major items are considered for calculating the trend percentage.

### Exercise 2

Calculate the Trend Analysis from the following information of Tamilnadu Mercantile Bank Ltd., taking 1999 as a base year and interpret them (in thousands).

Year	Deposits	Advances	Profit
1999	2,05,59,498	97,14,728	3,50,311
2000	2,66,45,251	1,25,50,440	4,06,287
2001	3,19,00,696	1,50,03,495	5,04,020
2002	3,72,99,877	1,77,26,607	5,53,525
2003	4,08,45,783	1,95,99,764	6,37,634
2004	4,40,42,730	2,11,39,869	8,06,755

Solution

Trend Analysis (Base year 1999=100)

(Rs. in thousands)

Year	Deposits		Advances		Profits	
	Amount Rs.	Trend Percentage	Amount Rs.	Trend Percentage	Amount Rs.	Trend Percentage
1999	2,05,59,498	100.0	97,14,728	100.0	3,50,311	100.0
2000	2,66,45,251	129.6	1,25,50,440	129.2	4,06,287	115.9
2001	3,19,00,696	155.5	1,58,83,495	163.5	5,04,020	143.9
2002	3,72,99,877	181.4	1,77,26,607	182.5	5,53,525	150.0
2003	4,08,45,783	198.7	1,95,99,764	201.8	6,37,634	182.0
2004	4,40,42,730	214.2	2,11,39,869	217.6	8,06,755	230.3

### Common Size Analysis

Another important financial statement analysis techniques are common size analysis in which figures reported are converted into percentage to some common base. In the balance sheet the total assets figures is assumed to be 100 and all figures are expressed as a percentage of this total. It is one of the simplest methods of financial statement analysis, which reflects the relationship of each and every item with the base value of 100%.

### FUNDS FLOW STATEMENT

Funds flow statement is one of the important tools, which is used in many ways. It helps to understand the changes in the financial position of a business enterprise between the beginning and ending financial statement dates. It is also called as statement of sources and uses of funds.

Institute of Cost and Works Accounts of India, funds flow statement is defined as “a statement prospective or retrospective, setting out the sources and application of the funds of an enterprise. The purpose of the statement is to indicate clearly the requirement of funds and how they are proposed to be raised and the efficient utilization and application of the same”.

### CASH FLOW STATEMENT

Cash flow statement is a statement which shows the sources of cash inflow and uses of cash out-flow of the business concern during a particular period of time. It is the statement, which involves only short-term financial position of the business concern. Cash flow statement provides a summary of operating, investment and financing cash flows and reconciles them with changes in its cash and cash equivalents such as marketable securities. Institute of Chartered Accountants of India

Financial Management issued the Accounting Standard (AS-3) related to the preparation of cash flow statement in 1998.

Notes

## Difference between Funds Flow and Cash Flow Statement

Funds Flow Statement	Cash Flow Statement
<ol style="list-style-type: none"> <li>1. Funds flow statement is the report on the movement of funds or working capital</li> <li>2. Funds flow statement explains how working capital is raised and used during the particular period.</li> <li>3. The main objective of fund flow statement is to show the how the resources have been balanced mobilized and used.</li> <li>4. Funds flow statement indicates the results of current financial management.</li> <li>5. In a funds flow statement increase or decrease in working capital is recorded.</li> <li>6. In funds flow statement there is no opening and closing balances.</li> </ol>	<ol style="list-style-type: none"> <li>1. Cash flow statement is the report showing sources and uses of cash.</li> <li>2. Cash flow statement explains the inflow and out flow of cash during the particular period.</li> <li>3. The main objective of the cash flow statement is to show the causes of changes in cash between two balance sheet dates.</li> <li>4. Cash flow statement indicates the factors contributing to the reduction of cash balance in spite of increase in profit and vice-versa.</li> <li>5. In a cash flow statement only cash receipt and payments are recorded.</li> <li>6. Cash flow statement starts with opening cash balance and ends with closing cash balance.</li> </ol>

## RATIO ANALYSIS

Ratio analysis is a commonly used tool of financial statement analysis. Ratio is a mathematical relationship between one number to another number. Ratio is used as an index for evaluating the financial performance of the business concern. An accounting ratio shows the mathematical relationship between two figures, which have meaningful relation with each other. Ratio can be classified into various types. Classification from the point of view of financial management is as follows:

- Liquidity Ratio
- Activity Ratio
- Solvency Ratio
- Profitability Ratio

### Liquidity Ratio

It is also called as short-term ratio. This ratio helps to understand the liquidity in a business which is the potential ability to meet current obligations. This ratio expresses the relationship between current assets and current assets of the business concern during a particular period. The following are the major liquidity ratio:

S.No.	Ratio	Formula	Significant Ratio
1.	Current Ratio	$\frac{\text{Current Assets}}{\text{Current Liability}}$	2 : 1
2.	Quick Ratio	$\frac{\text{Quick Assets}}{\text{Quick / Current Liability}}$	1 : 1

### Activity Ratio

It is also called as turnover ratio. This ratio measures the efficiency of the current assets and liabilities in the business concern during a particular period. This ratio is helpful to understand the performance of the business concern. Some of the activity ratios are given below:



S.No.	Ratio	Formula
1.	Stock Turnover Ratio	$\frac{\text{Cost of Sales}}{\text{Average Inventory}}$
2.	Debtors Turnover Ratio	$\frac{\text{Credit Sales}}{\text{Average Debtors}}$
3.	Creditors Turnover Ratio	$\frac{\text{Credit Purchase}}{\text{Average Credit}}$
4.	Working Capital Turnover Ratio	$\frac{\text{Sales}}{\text{Net Working Capital}}$

### Solvency Ratio

It is also called as leverage ratio, which measures the long-term obligation of the business concern. This ratio helps to understand, how the long-term funds are used in the business concern. Some of the solvency ratios are given below:

S.No	Ratio	Formula
1.	Debt-Equity Ratio	$\frac{\text{External Equity}}{\text{Internal Equity}}$
2.	Proprietary Ratio	$\frac{\text{Shareholder/Shareholder's Fund}}{\text{Total Assets}}$
3.	Interest Coverage Ratio	$\frac{\text{EBIT}}{\text{Fixed Interest Charges}}$

### Profitability Ratio

Profitability ratio helps to measure the profitability position of the business concern. Some of the major profitability ratios are given below.

S.No	Ratio	Formula
1.	Gross Profit Ratio	$\frac{\text{Gross Profit}}{\text{Net Sales}} \times 100$
2.	Net Profit Ratio	$\frac{\text{Net Profit after tax}}{\text{Net Sales}} \times 100$
3.	Operating Profit Ratio	$\frac{\text{Operating Net Profit}}{\text{Sales}} \times 100$
4.	Return in Investment	$\frac{\text{Net Profit after tax}}{\text{Shareholder Fund}} \times 100$

## REVIEW QUESTIONS

1. What is financial statement?
2. What is financial statement analysis?
3. Discuss various types of financial statement analysis.
4. Explain various methods of financial statement analysis.
5. What are the differences between fund flow and cash flow?
6. What is ratio analysis? Explain its types.

## FURTHER READINGS

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT- 3 SOURCES OF FINANCING

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- ❖ Introduction
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## INTRODUCTION

Finance is the lifeblood of business concern, because it is interlinked with all activities performed by the business concern. In a human body, if blood circulation is not proper, body function will stop. Similarly, if the finance not being properly arranged, the business system will stop. Arrangement of the required finance to each department of business concern is highly a complex one and it needs careful decision. Quantum of finance may be depending upon the nature and situation of the business concern. But, the requirement of the finance may be broadly classified into two parts:

### **Long-term Financial Requirements or Fixed Capital Requirement**

Financial requirement of the business differs from firm to firm and the nature of the requirements on the basis of terms or period of financial requirement; it may be long term and short-term financial requirements. Long-term financial requirement means the finance needed to acquire land and building for business concern, purchase of plant and machinery and other fixed expenditure. Long term financial requirement is also called as fixed capital requirements. Fixed capital is the capital, which is used to purchase the fixed assets of the firms such as land and building, furniture and fittings, plant and machinery, etc. Hence, it is also called a capital expenditure.

### **Short-term Financial Requirements or Working Capital Requirement**

Apart from the capital expenditure of the firms, the firms should need certain expenditure like procurement of raw materials, payment of wages, day-to-day expenditures, etc. This kind of expenditure is to meet with the help of short-term financial requirements which will meet the operational expenditure of the firms. Short-term financial requirements are popularly known as working capital.

## SOURCES OF FINANCE

Sources of finance mean the ways for mobilizing various terms of finance to the industrial concern. Sources of finance state that, how the companies are mobilizing finance for their requirements. The companies belong to the existing or the new which need sum amount of finance to

meet the long-term and short-term requirements such as purchasing of fixed assets, construction of office building, purchase of raw materials and day-to-day expenses. Sources of finance may be classified under various categories according to the following important heads:

### **1. Based on the Period**

Sources of Finance may be classified under various categories based on the period. Long-term sources: Finance may be mobilized by long-term or short-term. When the finance mobilized with large amount and the repayable over the period will be more than five years, it may be considered as long-term sources. Share capital, issue of debenture, long-term loans from financial institutions and commercial banks come under this kind of source of finance. Long-term source of finance needs to meet the capital expenditure of the firms such as purchase of fixed assets, land and buildings, etc.

#### **Long-term sources of finance include:**

- Equity Shares
- Preference Shares
- Debenture
- Long-term Loans
- Fixed Deposits

**Short-term sources:** Apart from the long-term source of finance, firms can generate finance with the help of short-term sources like loans and advances from commercial banks, moneylenders, etc. Short-term source of finance needs to meet the operational expenditure of the business concern.

Short-term source of finance include:

- Bank Credit
- Customer Advances
- Trade Credit
- Factoring
- Public Deposits
- Money Market Instruments

### **2. Based on Ownership**

Sources of Finance may be classified under various categories based on the period:

An ownership source of finance include

- Shares capital, earnings
- Retained earnings
- Surplus and Profits

#### **Borrowed capital include**

- Debenture
- Bonds
- Public deposits
- Loans from Bank and Financial Institutions.

### **3. Based on Sources of Generation**

Sources of Finance may be classified into various categories based on the period.

Internal source of finance includes

- Retained earnings
- Depreciation funds

- Surplus

External sources of finance may be include

- Share capital
- Debenture
- Public deposits
- Loans from Banks and Financial institutions

#### **4. Based in Mode of Finance**

Security finance may be include

- Shares capital
- Debenture

Retained earnings may include

- Retained earnings
- Depreciation funds

Loan finance may include

- Long-term loans from Financial Institutions
- Short-term loans from Commercial banks.

The above classifications are based on the nature and how the finance is mobilized from various sources. But the above sources of finance can be divided into three major classifications:

- Security Finance
- Internal Finance
- Loans Finance

### **SECURITY FINANCE**

If the finance is mobilized through issue of securities such as shares and debenture, it is called as security finance. It is also called as corporate securities. This type of finance plays a major role in the field of deciding the capital structure of the company.

#### **Characters of Security Finance**

Security finance consists of the following important characters:

1. Long-term sources of finance.
2. It is also called as corporate securities.
3. Security finance includes both shares and debentures.
4. It plays a major role in deciding the capital structure of the company.
5. Repayment of finance is very limited.
6. It is a major part of the company's total capitalization.

#### **Types of Security Finance**

Security finance may be divided into two major types:

1. Ownership securities or capital stock.
2. Creditorship securities or debt capital.

### **Ownership Securities**

The ownership securities also called as capital stock, is commonly called as shares. Shares are the most Universal method of raising finance for the business concern. Ownership capital consists of the following types of securities.

- Equity Shares
- Preference Shares
- No par stock
- Deferred Shares



## **EQUITY SHARES**

Equity Shares also known as ordinary shares, which means, other than preference shares. Equity shareholders are the real owners of the company. They have a control over the management of the company. Equity shareholders are eligible to get dividend if the company earns profit. Equity share capital cannot be redeemed during the lifetime of the company.

The liability of the equity shareholders is the value of unpaid value of shares.

### **Features of Equity Shares**

Equity shares consist of the following important features:

1. Maturity of the shares: Equity shares have permanent nature of capital, which has no maturity period. It cannot be redeemed during the lifetime of the company.
2. Residual claim on income: Equity shareholders have the right to get income left after paying fixed rate of dividend to preference shareholder. The earnings or the income available to the shareholders is equal to the profit after tax minus preference dividend.
3. Residual claims on assets: If the company wound up, the ordinary or equity shareholders have the right to get the claims on assets. These rights are only available to the equity shareholders.
4. Right to control: Equity shareholders are the real owners of the company. Hence, they have power to control the management of the company and they have power to take any decision regarding the business operation.
5. Voting rights: Equity shareholders have voting rights in the meeting of the company with the help of voting right power; they can change or remove any decision of the business concern. Equity shareholders only have voting rights in the company meeting and also they can nominate proxy to participate and vote in the meeting instead of the shareholder.
6. Pre-emptive right: Equity shareholder pre-emptive rights. The pre-emptive right is the legal right of the existing shareholders. It is attested by the company in the first opportunity to purchase additional equity shares in proportion to their current holding capacity.
7. Limited liability: Equity shareholders are having only limited liability to the value of shares they have purchased. If the shareholders are having fully paid up shares, they have no liability. For example: If the shareholder purchased 100 shares with the face value of Rs. 10 each. He paid only Rs. 900. His liability is only Rs. 100.

Total number of shares 100

Face value of shares Rs. 10

Total value of shares  $100 \times 10 = 1,000$

Paid up value of shares 900

Unpaid value/liability 100

Liability of the shareholders is only unpaid value of the share (that is Rs. 100).

### **Advantages of Equity Shares**

Equity shares are the most common and universally used shares to mobilize finance for the company. It consists of the following advantages.

1. Permanent sources of finance: Equity share capital is belonging to long-term permanent nature of sources of finance, hence, it can be used for long-term or fixed capital requirement of the business concern.
2. Voting rights: Equity shareholders are the real owners of the company who have voting rights. This type of advantage is available only to the equity shareholders.
3. No fixed dividend: Equity shares do not create any obligation to pay a fixed rate of dividend. If the company earns profit, equity shareholders are eligible for profit, they are eligible to get dividend otherwise, and they cannot claim any dividend from the company.
4. Less cost of capital: Cost of capital is the major factor, which affects the value of the company. If the company wants to increase the value of the company, they have to use more share capital because, it consists of less cost of capital ( $K_e$ ) while compared to other sources of finance.
5. Retained earnings: When the company have more share capital, it will be suitable for retained earnings which is the less cost sources of finance while compared to other sources of finance.

#### **Disadvantages of Equity Shares**

1. Irredeemable: Equity shares cannot be redeemed during the lifetime of the business concern. It is the most dangerous thing of over capitalization.
2. Obstacles in management: Equity shareholder can put obstacles in management by manipulation and organizing themselves. Because, they have power to contrast any decision which are against the wealth of the shareholders.
3. Leads to speculation: Equity shares dealings in share market lead to secularism during prosperous periods.
4. Limited income to investor: The Investors who desire to invest in safe securities with a fixed income have no attraction for equity shares.
5. No trading on equity: When the company raises capital only with the help of equity, the company cannot take the advantage of trading on equity.

#### **PREFERENCE SHARES**

The parts of corporate securities are called as preference shares. It is the shares, which have preferential right to get dividend and get back the initial investment at the time of winding up of the company. Preference shareholders are eligible to get fixed rate of dividend and they do not have voting rights. Preference shares may be classified into the following major types:

1. Cumulative preference shares: Cumulative preference shares have right to claim dividends for those years which have no profits. If the company is unable to earn profit in any one or more years, C.P. Shares are unable to get any dividend but they have right to get the comparative dividend for the previous years if the company earned profit.
2. Non-cumulative preference shares: Non-cumulative preference shares have no right to enjoy the above benefits. They are eligible to get only dividend if the company earns profit during the years. Otherwise, they cannot claim any dividend.
3. Redeemable preference shares: When, the preference shares have a fixed maturity period it becomes redeemable preference shares. It can be redeemable during the lifetime of the company. The Company Act has

provided certain restrictions on the return of the redeemable preference shares.

### **Irredeemable Preference Shares**

Irredeemable preference shares can be redeemed only when the company goes for liquidator. There is no fixed maturity period for such kind of preference shares.

### **Participating Preference Shares**

Participating preference shares holders have right to participate extra profits after distributing the equity shareholders.

### **Non-Participating Preference Shares**

Non-participating preference shares holders are not having any right to participate extra profits after distributing to the equity shareholders. Fixed rate of dividend is payable to the type of shareholders.

### **Convertible Preference Shares**

Convertible preference shares holders have right to convert their holding into equity shares after a specific period. The articles of association must authorize the right of conversion.

### **Non-convertible Preference Shares**

These shares, cannot be converted into equity shares from preference shares.

### **Features of Preference Shares**

The following are the important features of the preference shares:

- 1. Maturity period:** Normally preference shares have no fixed maturity period except in the case of redeemable preference shares. Preference shares can be redeemable only at the time of the company liquidation.
- 2. Residual claims on income:** Preferential shares holders have a residual claim on income. Fixed rate of dividend is payable to the preference shareholders.
- 3. Residual claims on assets:** The first preference is given to the preference shareholders at the time of liquidation. If any extra Assets are available that should be distributed to equity shareholder.
- 4. Control of Management:** Preference shareholder does not have any voting rights. Hence, they cannot have control over the management of the company.

### **Advantages of Preference Shares**

Preference shares have the following important advantages.

- 1. Fixed dividend:** The dividend rate is fixed in the case of preference shares. It is called as fixed income security because it provides a constant rate of income to the investors.
- 2. Cumulative dividends:** Preference shares have another advantage which is called cumulative dividends. If the company does not earn any profit in any previous years, it can be cumulative with future period dividend.
- 3. Redemption:** Preference Shares can be redeemable after a specific period except in the case of irredeemable preference shares. There is a fixed maturity period for repayment of the initial investment.
- 4. Participation:** Participative preference shares holders can participate in the surplus profit after distribution to the equity shareholders.
- 5. Convertibility:** Convertibility preference shares can be converted into equity shares when the articles of association provide such conversion.

*Financial Management* **Disadvantages of Preference Shares**

*Notes*

1. Expensive sources of finance: Preference shares have high expensive source of finance while compared to equity shares.
2. No voting right: Generally preference shares holders do not have any voting rights. Hence they cannot have the control over the management of the company.
3. Fixed dividend only: Preference shares can get only fixed rate of dividend. They may not enjoy more profits of the company.
4. Permanent burden: Cumulative preference shares become a permanent burden so far as the payment of dividend is concerned. Because the company must pay the dividend for the unprofitable periods also.
5. Taxation: In the taxation point of view, preference shares dividend is not a deductible expense while calculating tax. But, interest is a deductible expense.

Hence, it has disadvantage on the tax deduction point of view.

### **DEFERRED SHARES**

Deferred shares also called as founder shares because these shares were normally issued to founders. The shareholders have a preferential right to get dividend before the preference shares and equity shares. According to Companies Act 1956 no public limited company or which is a subsidiary of a public company can issue deferred shares.

These shares were issued to the founder at small denomination to control over the management by the virtue of their voting rights.

### **NO PAR SHARES**

When the shares are having no face value, it is said to be no par shares. The company issues this kind of shares which is divided into a number of specific shares without any specific denomination. The value of shares can be measured by dividing the real net worth of the company with the total number of shares.

$$\text{Value of no. per share} = \frac{\text{The real net worth}}{\text{Total no. of shares}}$$

### **CREDITORSHIP SECURITIES**

Creditorship Securities also known as debt finance which means the finance is mobilized from the creditors. Debenture and Bonds are the two major parts of the Creditorship Securities.

#### **Debentures**

A Debenture is a document issued by the company. It is a certificate issued by the company under its seal acknowledging a debt.

According to the Companies Act 1956, “debenture includes debenture stock, bonds and any other securities of a company whether constituting a charge of the assets of the company or not.”

#### **Types of Debentures**

Debentures may be divided into the following major types:

1. Unsecured debentures: Unsecured debentures are not given any security on assets of the company. It is also called simple or naked debentures. This type of debentures are traded as unsecured creditors at the time of winding up of the company.

2. Secured debentures: Secured debentures are given security on assets of the company. It is also called as mortgaged debentures because these debentures are given against any mortgage of the assets of the company.

3. Redeemable debentures: These debentures are to be redeemed on the expiry of a certain period. The interest is paid periodically and the initial investment is returned after the fixed maturity period.

4. Irredeemable debentures: These kind of debentures cannot be redeemable during the life time of the business concern.

5. Convertible debentures: Convertible debentures are the debentures whose holders have the option to get them converted wholly or partly into shares. These debentures are usually converted into equity shares.

Conversion of the debentures may be:

- Non-convertible debentures
- Fully convertible debentures
- Partly convertible debentures

6. Other types: Debentures can also be classified into the following types. Some of the common types of the debentures are as follows:

1. Collateral Debenture
2. Guaranteed Debenture
3. First Debenture
4. Zero Coupon Bond
5. Zero Interest Bond/Debenture

### **Features of Debentures**

1. Maturity period: Debentures consist of long-term fixed maturity period. Normally, debentures consist of 10–20 years maturity period and are repayable with the principle investment at the end of the maturity period.

2. Residual claims in income: Debenture holders are eligible to get fixed rate of interest at every end of the accounting period. Debenture holders have priority of claim in income of the company over equity and preference shareholders.

3. Residual claims on asset: Debenture holders have priority of claims on Assets of the company over equity and preference shareholders. The Debenture holders may have either specific charge on the Assets or floating charge of the assets of the company. Specific charge of Debenture holders are treated as secured creditors and floating charge of Debenture holders are treated as unsecured creditors.

4. No voting rights: Debenture holders are considered as creditors of the company. Hence they have no voting rights. Debenture holders cannot have the control over the performance of the business concern.

5. Fixed rate of interest: Debentures yield fixed rate of interest till the maturity period. Hence the business will not affect the yield of the debenture.

### **Advantages of Debenture**

Debenture is one of the major parts of the long-term sources of finance which consists the following important advantages:

1. Long-term sources: Debenture is one of the long-term sources of finance to the company. Normally the maturity period is longer than the other sources of finance.

2. Fixed rate of interest: Fixed rate of interest is payable to debenture holders, hence it is most suitable of the companies earn higher profit. Generally, the rate of interest is lower than the other sources of long-term finance.

3. Trade on equity: A company can trade on equity by mixing debentures in its capital structure and thereby increase its earning per share. When the company apply the trade on equity concept, cost of capital will reduce and value of the company will increase.

4. Income tax deduction: Interest payable to debentures can be deducted from the total profit of the company. So it helps to reduce the tax burden of the company.

5. Protection: Various provisions of the debenture trust deed and the guidelines issued by the SEBI protect the interest of debenture holders.

### **Disadvantages of Debenture**

Debenture finance consists of the following major disadvantages:

1. Fixed rate of interest: Debenture consists of fixed rate of interest payable to securities. Even though the company is unable to earn profit, they have to pay the fixed rate of interest to debenture holders, hence, it is not suitable to those company earnings which fluctuate considerably.

2. No voting rights: Debenture holders do not have any voting rights. Hence, they cannot have the control over the management of the company.

3. Creditors of the company: Debenture holders are merely creditors and not the owners of the company. They do not have any claim in the surplus profits of the company.

4. High risk: Every additional issue of debentures becomes more risky and costly on account of higher expectation of debenture holders. This enhanced financial risk increases the cost of equity capital and the cost of raising finance through debentures which is also high because of high stamp duty.

5. Restrictions of further issues: The company cannot raise further finance through debentures as the debentures are under the part of security of the assets already mortgaged to debenture holders.

## **INTERNAL FINANCE**

A company can mobilize finance through external and internal sources. A new company may not raise internal sources of finance and they can raise finance only external sources such as shares, debentures and loans but an existing company can raise both internal and external sources of finance for their financial requirements. Internal finance is also one of the important sources of finance and it consists of cost of capital while compared to other sources of finance.

Internal source of finance may be broadly classified into two categories:

A. Depreciation Funds

B. Retained earnings

### **Depreciation Funds**

Depreciation funds are the major part of internal sources of finance, which is used to meet the working capital requirements of the business concern. Depreciation means decrease in the value of asset due to wear and tear, lapse of time, obsolescence, exhaustion and accident. Generally depreciation is charged against fixed assets of the company at fixed rate

for every year. The purpose of depreciation is replacement of the assets after the expired period. It is one kind of provision of fund, which is needed to reduce the tax burden and overall profitability of the company.

### **Retained Earnings**

Retained earnings are another method of internal sources of finance. Actually is not a method of raising finance, but it is called as accumulation of profits by a company for its expansion and diversification activities.

Retained earnings are called under different names such as; self finance, inter finance, and plugging back of profits. According to the Companies Act 1956 certain percentage, as prescribed by the central government (not exceeding 10%) of the net profits after tax of a 36 Financial Management financial year have to be compulsorily transferred to reserve by a company before declaring dividends for the year.

Under the retained earnings sources of finance, a part of the total profits is transferred to various reserves such as general reserve, replacement fund, reserve for repairs and renewals, reserve funds and secrete reserves, etc.

### **Advantages of Retained Earnings**

Retained earnings consist of the following important advantages:

1. Useful for expansion and diversification: Retained earnings are most useful to expansion and diversification of the business activities.
2. Economical sources of finance: Retained earnings are one of the least costly sources of finance since it does not involve any floatation cost as in the case of raising of funds by issuing different types of securities.
3. No fixed obligation: If the companies use equity finance they have to pay dividend and if the companies use debt finance, they have to pay interest. But if the company uses retained earnings as sources of finance, they need not pay any fixed obligation regarding the payment of dividend or interest.
4. Flexible sources: Retained earnings allow the financial structure to remain completely flexible. The company need not raise loans for further requirements, if it has retained earnings.
5. Increase the share value: When the company uses the retained earnings as the sources of finance for their financial requirements, the cost of capital is very cheaper than the other sources of finance; hence the value of the share will increase.
6. Avoid excessive tax: Retained earnings provide opportunities for evasion of excessive tax in a company when it has small number of shareholders.
7. Increase earning capacity: Retained earnings consist of least cost of capital and also it is most suitable to those companies which go for diversification and expansion.

### **Disadvantages of Retained Earnings**

Retained earnings also have certain disadvantages:

1. Misuses: The management by manipulating the value of the shares in the stock market can misuse the retained earnings.
2. Leads to monopolies: Excessive use of retained earnings leads to monopolistic attitude of the company.

3. Over capitalization: Retained earnings lead to over capitalization, because if the company uses more and more retained earnings, it leads to insufficient source of finance.

4. Tax evasion: Retained earnings lead to tax evasion. Since, the company reduces tax burden through the retained earnings.

5. Dissatisfaction: If the company uses retained earnings as sources of finance, the shareholder can't get more dividends. So, the shareholder does not like to use the retained earnings as source of finance in all situations.

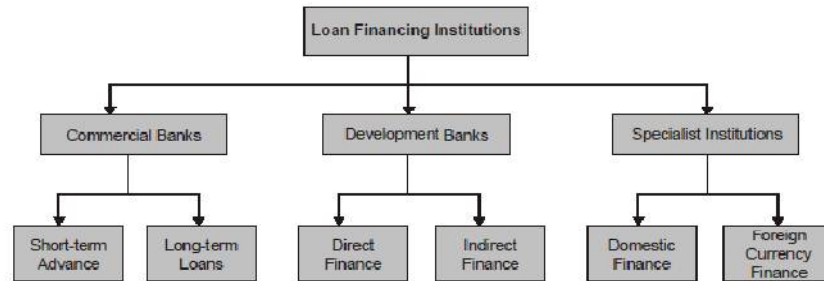
## LOAN FINANCING

Loan financing is the important mode of finance raised by the company. Loan finance may be divided into two types:

(a) Long-Term Sources

(b) Short-Term Sources

Loan finance can be raised through the following important institutions.



### Loan Financing

## Financial Institutions

With the effect of the industrial revaluation, the government established nationwide and state wise financial industries to provide long-term financial assistance to industrial concerns in the country. Financial institutions play a key role in the field of industrial development and they are meeting the financial requirements of the business concern. IFCI, ICICI, IDBI, SFC, EXIM Bank, ECGC are the famous financial institutions in the country.

### Commercial Banks

Commercial Banks normally provide short-term finance which is repayable within a year. The major finance of commercial banks is as follows:

**Short-term advance:** Commercial banks provide advance to their customers with or without securities. It is one of the most common and widely used short-term sources of finance, which are needed to meet the working capital requirement of the company. It is a cheap source of finance, which is in the form of pledge, mortgage, hypothecation and bills discounted and rediscounted.

### Short-term Loans

Commercial banks also provide loans to the business concern to meet the short-term financial requirements. When a bank makes an advance in lump sum against some security it is termed as loan. Loan may be in the following form:



(a) Cash credit: A cash credit is an arrangement by which a bank allows his customer to borrow money up to certain limit against the security of the commodity.

(b) Overdraft: Overdraft is an arrangement with a bank by which a current account holder is allowed to withdraw more than the balance to his credit up to a certain limit without any securities.

### **Development Banks**

Development banks were established mainly for the purpose of promotion and development the industrial sector in the country. Presently, large numbers of development banks are functioning with multidimensional activities. Development banks are also called as financial institutions or statutory financial institutions or statutory non-banking institutions.

### **Development banks provide two important types of finance:**

(a) Direct Finance

(b) Indirect Finance/Refinance

Presently the commercial banks are providing all kinds of financial services including development-banking services. And also nowadays development banks and specialised financial institutions are providing all kinds of financial services including commercial banking services. Diversified and global financial services are unavoidable to the present day economics. Hence, we can classify the financial institutions only by the structure and set up and not by the services provided by them.

## **REVIEW QUESTIONS**

1. Explain the various sources of financing. What is meant by security financing?
2. What is debt financing? Critically examine the advantages and disadvantages of equity shares.
3. What are the merits of the deferred shares? Explain the merits and demerits of preference shares?
4. Evaluate the overall view of debentures. How internal sources of finance is used in the industrial concern?
5. What is retained earnings? Evaluate the advantages and disadvantages of retained earnings.
6. How does depreciation funds help the industrial concern as sources of finance? Evaluate the overall structure of the loan financing?
7. Explain the Commercial Bank financing? Enumerate the major development banks.
8. Explain the role of UTI and LIC in industrial financing? What is cash credit?

## **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT-4 CAPITALIZATION

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## CONTENTS

- ❖ Introduction
- ❖ Meaning Of Capital
- ❖ Capitalization
- ❖ Types Of Capitalization
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

Financial planning and decision play a major role in the field of financial management which consists of the major area of financial management such as, capitalization, financial structure, capital structure, leverage and financial forecasting. Financial planning includes the following important parts:

- Estimating the amount of capital to be raised.
- Determining the form and proportionate amount of securities.
- Formulating policies to manage the financial plan.

## MEANING OF CAPITAL

The term capital refers to the total investment of the company in terms of money, and assets. It is also called as total wealth of the company. When the company is going to invest large amount of finance into the business, it is called as capital. Capital is the initial and integral part of new and existing business concern.

The capital requirements of the business concern may be classified into two categories:

- (a) Fixed capital
- (b) Working capital.

### Fixed Capital

Fixed capital is the capital, which is needed for meeting the permanent or long-term purpose of the business concern. Fixed capital is required mainly for the purpose of meeting capital expenditure of the business concern and it is used over a long period. It is the amount invested in various fixed or permanent assets, which are necessary for a business concern.

### Definition of Fixed Capital

According to the definition of Hoagland, “Fixed capital is comparatively easily defined to include land, building, machinery and other assets having a relatively permanent existence”.

### Character of Fixed Capital

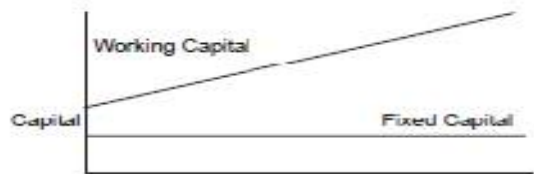
- Fixed capital is used to acquire the fixed assets of the business concern.
- Fixed capital meets the capital expenditure of the business concern.
- Fixed capital normally consists of long period.
- Fixed capital expenditure is of nonrecurring nature.
- Fixed capital can be raised only with the help of long-term sources of finance.

## Working Capital

Working capital is the capital which is needed to meet the day-to-day transaction of the business concern. It may cross working capital and net working capital. Normally working capital consists of various compositions of current assets such as inventories, bills, receivable, debtors, cash, and bank balance and prepaid expenses.

According to the definition of Bonneville, “any acquisition of funds which increases the current assets increase the Working Capital also for they are one and the same”. Working capital is needed to meet the following purpose:

- Purchase of raw material
- Payment of wages to workers
- Payment of day-to-day expenses
- Maintenance expenditure etc.



**Position of Capital**

## CAPITALIZATION

Capitalization is one of the most important parts of financial decision, which is related to the total amount of capital employed in the business concern.

Understanding the concept of capitalization leads to solve many problems in the field of financial management. Because there is a confusion among the capital, capitalization and capital structure.

### Meaning of Capitalization

Capitalization refers to the process of determining the quantum of funds that a firm needs to run its business. Capitalization is only the par value of share capital and debenture and it does not include reserve and surplus.

### Definition of Capitalization

Capitalization can be defined by the various financial management experts. Some of the definitions are mentioned below:

According to Guthman and Dougall, “capitalization is the sum of the par value of stocks and bonds outstanding”.

“Capitalization is the balance sheet value of stocks and bonds outstands”.

— Bonneville and Dewey

According to Arhur. S. Dewing, “capitalization is the sum total of the par value of all shares”.

## TYPES OF CAPITALIZATION

Capitalization may be classified into the following three important types based on its nature:

- Over Capitalization
- Under Capitalization
- Water Capitalization

*Financial Management* **Over Capitalization**

*Notes*

Over capitalization refers to the company which possesses an excess of capital in relation to its activity level and requirements. In simple means, over capitalization is more capital than actually required and the funds are not properly used.

According to Bonneville, Dewey and Kelly, over capitalization means, “When a business is unable to earn fair rate on its outstanding securities”.

**Example**

A company is earning a sum of Rs. 50,000 and the rate of return expected is 10%. This company will be said to be properly capitalized. Suppose the capital investment of the company is Rs. 60,000, it will be over capitalization to the extent of Rs. 1,00,000. The new rate of earning would be:

$50,000/60,000 \times 100 = 8.33\%$  When the company has over capitalization, the rate of earnings will be reduced from 10% to 8.33%.

**Causes of Over Capitalization**

Over capitalization arise due to the following important causes:

- Over issue of capital by the company.
- Borrowing large amount of capital at a higher rate of interest.
- Providing inadequate depreciation to the fixed assets.
- Excessive payment for acquisition of goodwill.
- High rate of taxation.
- Under estimation of capitalization rate.

**Effects of Over Capitalization**

Over capitalization leads to the following important effects:

- Reduce the rate of earning capacity of the shares.
- Difficulties in obtaining necessary capital to the business concern.
- It leads to fall in the market price of the shares.
- It creates problems on re-organization.
- It leads under or mis-utilisation of available resources.

**Remedies for Over Capitalization**

Over capitalization can be reduced with the help of effective management and systematic design of the capital structure. The following are the major steps to reduce over capitalization.

- Efficient management can reduce over capitalization.
- Redemption of preference share capital which consists of high rate of dividend.
- Reorganization of equity share capital.
- Reduction of debt capital.

**Under Capitalization**

Under capitalization is the opposite concept of over capitalization and it will occur when the company’s actual capitalization is lower than the capitalization as warranted by its earning capacity. Under capitalization is not the so called inadequate capital.

Under capitalization can be defined by Gerstenberg, “a corporation may be undercapitalized when the rate of profit is exceptionally high in the same industry”.

Hoagland defined under capitalization as “an excess of true assets value over the aggregate of stocks and bonds outstanding”.

**Causes of Under Capitalization**

Under capitalization arises due to the following important causes:

- Under estimation of capital requirements.
- Under estimation of initial and future earnings.
- Maintaining high standards of efficiency.
- Conservative dividend policy.
- Desire of control and trading on equity.

**Effects of Under Capitalization**

Under Capitalization leads certain effects in the company and its shareholders.

- It leads to manipulate the market value of shares.
- It increases the marketability of the shares.
- It may lead to more government control and higher taxation.
- Consumers feel that they are exploited by the company.
- It leads to high competition.

**Remedies of Under Capitalization**

Under Capitalization may be corrected by taking the following remedial measures:

1. Under capitalization can be compensated with the help of fresh issue of shares.
2. Increasing the par value of share may help to reduce under capitalization.
3. Under capitalization may be corrected by the issue of bonus shares to the existing shareholders.
4. Reducing the dividend per share by way of splitting up of shares.

**Watered Capitalization**

If the stock or capital of the company is not mentioned by assets of equivalent value, it is called as watered stock. In simple words, watered capital means that the realizable value of assets of the company is less than its book value.

According to Hoagland's definition, "A stock is said to be watered when its true value is less than its book value."

**Causes of Watered Capital**

Generally watered capital arises at the time of incorporation of a company but it also arises during the life time of the business. The following are the main causes of watered capital:

1. Acquiring the assets of the company at high price.
2. Adopting ineffective depreciation policy.
3. Worthless intangible assets are purchased at higher price.

**REVIEW QUESTIONS**

1. What is capital and define the capital?
2. Explain the types of capital.
3. What is capitalization?
4. What are the kinds of capitalization?
5. Explain the effects of under capitalization.

6. Discuss the causes of over capitalization.

**FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT-5 CAPITAL STRUCTURE

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Capital Structure

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- ❖ Introduction
- ❖ Financial Structure
- ❖ Optimum Capital Structure
- ❖ Factors Determining Capital Structure
- ❖ Capital Structure Theories
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

Capital is the major part of all kinds of business activities, which are decided by the size, and nature of the business concern. Capital may be raised with the help of various sources. If the company maintains proper and adequate level of capital, it will earn high profit and they can provide more dividends to its shareholders.

### Meaning of Capital Structure

Capital structure refers to the kinds of securities and the proportionate amounts that make up capitalization. It is the mix of different sources of long-term sources such as equity shares, preference shares, debentures, long-term loans and retained earnings. The term capital structure refers to the relationship between the various long-term source financing such as equity capital, preference share capital and debt capital. Deciding the suitable capital structure is the important decision of the financial management because it is closely related to the value of the firm.

Capital structure is the permanent financing of the company represented primarily by long-term debt and equity.

### Definition of Capital Structure

The following definitions clearly initiate, the meaning and objective of the capital structures. According to the definition of Gerestenbeg, “Capital Structure of a company refers to the composition or make up of its capitalization and it includes all long-term capital resources”.

According to the definition of James C. Van Horne, “The mix of a firm’s permanent long-term financing represented by debt, preferred stock, and common stock equity”.

According to the definition of Presana Chandra, “The composition of a firm’s financing consists of equity, preference, and debt”.

According to the definition of R.H. Wessel, “The long term sources of fund employed in a business enterprise”.

## FINANCIAL STRUCTURE

The term financial structure is different from the capital structure. Financial structure shows the pattern total financing. It measures the extent to which total funds are available to finance the total assets of the business.

Financial Structure = Total liabilities

Or

Financial Structure = Capital Structure + Current liabilities.

*Financial Management* The following points indicate the difference between the financial structure and capital structure.

*Notes*

Financial Structures	Capital Structures
1. It includes both long-term and short-term sources of funds.	1. It includes only the long-term sources of funds.
2. It means the entire liabilities side of the balance sheet.	2. It means only the long-term liabilities of the company.
3. Financial structures consist of all sources of capital.	3. It consist of equity, preference and retained earning capital.
4. It will not be more important while determining the value of the firm.	4. It is one of the major determinations of the value of the firm.

### Example

From the following information, calculate the capitalization, capital structure and financial structures.

(i) Calculation of Capitalization

Liabilities		Assets	
Equity share capital	50,000	Fixed assets	25,000
Preference share capital	5,000	Good will	10,000
Debentures	6,000	Stock	15,000
Retained earnings	4,000	Bills receivable	5,000
Bills payable	2,000	Debtors	5,000
Creditors	3,000	Cash and bank	10,000
	70,000		70,000

(ii) Calculation of Capital Structures

S. No.	Sources	Amount
1.	Equity share capital	50,000
2.	Preference share capital	5,000
3.	Debentures	6,000
	<b>Capitalization</b>	<b>61,000</b>

(iii) Calculation of Financial Structure

S. No.	Sources	Amount	Proportion
1.	Equity share capital	50,000	71.42
2.	Preference share capital	5,000	7.14
3.	Debentures	6,000	8.58
4.	Retained earnings	4,000	5.72
5.	Bills payable	2,000	2.85
6.	Creditors	3,000	4.29
		<b>70,000</b>	<b>100%</b>

## OPTIMUM CAPITAL STRUCTURE

Optimum capital structure is the capital structure at which the weighted average cost of capital is minimum and thereby the value of the firm is maximum.

Optimum capital structure may be defined as the capital structure or combination of debt and equity that leads to the maximum value of the firm.

### Objectives of Capital Structure

Decision of capital structure aims at the following two important objectives:

1. Maximize the value of the firm.
2. Minimize the overall cost of capital.



**Forms of Capital Structure**

Capital structure pattern varies from company to company and the availability of finance. Normally the following forms of capital structure are popular in practice.

- Equity shares only.
- Equity and preference shares only.
- Equity and Debentures only.
- Equity shares, preference shares and debentures.

## **FACTORS DETERMINING CAPITAL STRUCTURE**

The following factors are considered while deciding the capital structure of the firm.

**Leverage**

It is the basic and important factor, which affect the capital structure. It uses the fixed cost financing such as debt, equity and preference share capital. It is closely related to the overall cost of capital.

**Cost of Capital**

Cost of capital constitutes the major part for deciding the capital structure of a firm. Normally long- term finance such as equity and debt consist of fixed cost while mobilization. When the cost of capital increases, value of the firm will also decrease. Hence the firm must take careful steps to reduce the cost of capital.

(a) Nature of the business: Use of fixed interest/dividend bearing finance depends upon the nature of the business. If the business consists of long period of operation, it will apply for equity than debt, and it will reduce the cost of capital.

(b) Size of the company: It also affects the capital structure of a firm. If the firm belongs to large scale, it can manage the financial requirements with the help of internal sources. But if it is small size, they will go for external finance. It consists of high cost of capital.

(c) Legal requirements: Legal requirements are also one of the considerations while dividing the capital structure of a firm. For example, banking companies are restricted to raise funds from some sources.

(d) Requirement of investors: In order to collect funds from different type of investors, it will be appropriate for the companies to issue different sources of securities.

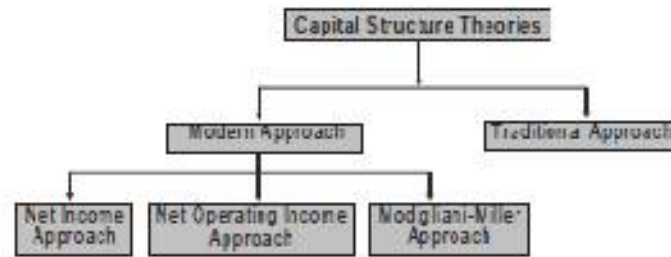
**Government policy**

Promoter contribution is fixed by the company Act. It restricts to mobilize large, long term funds from external sources. Hence the company must consider government policy regarding the capital structure.

## **CAPITAL STRUCTURE THEORIES**

Capital structure is the major part of the firm's financial decision which affects the value of the firm and it leads to change EBIT and market value of the shares. There is a relationship among the capital structure, cost of capital and value of the firm. The aim of effective capital

structure is to maximize the value of the firm and to reduce the cost of capital. There are two major theories explaining the relationship between capital structure, cost of capital and value of the firm.



### Capital Structure Theories

#### Traditional Approach

It is the mix of Net Income approach and Net Operating Income approach. Hence, it is also called as intermediate approach. According to the traditional approach, mix of debt and equity capital can increase the value of the firm by reducing overall cost of capital up to certain level of debt. Traditional approach states that the  $K_o$  decreases only within the responsible limit of financial leverage and when reaching the minimum level, it starts increasing with financial leverage.

#### Assumptions

Capital structure theories are based on certain assumption to analysis in a single and convenient manner:

- There are only two sources of funds used by a firm; debt and shares.
- The firm pays 100% of its earning as dividend.
- The total assets are given and do not change.
- The total finance remains constant.
- The operating profits (EBIT) are not expected to grow.
- The business risk remains constant.
- The firm has a perpetual life.
- The investors behave rationally.

#### Net Income (NI) Approach

Net income approach suggested by the Durand. According to this approach, the capital structure decision is relevant to the valuation of the firm. In other words, a change in the capital structure leads to a corresponding change in the overall cost of capital as well as the total value of the firm.

According to this approach, use more debt finance to reduce the overall cost of capital and increase the value of firm.

Net income approach is based on the following three important assumptions:

1. There are no corporate taxes.
2. The cost debt is less than the cost of equity.
3. The use of debt does not change the risk perception of the investor.

Where

$$V = S+B$$

V = Value of firm

S = Market value of equity

B = Market value of debt

Market value of the equity can be ascertained by the following formula:

$$S = \frac{NI}{K_e}$$

Where

NI = Earnings available to equity shareholder

Ke = Cost of equity/equity capitalization rate

Format for calculating value of the firm on the basis of NI approach.

Particulars	Amount
Net operating income (EBIT)	XXX
Less: interest on debenture (i)	XXX
Earnings available to equity holder (NI)	XXX
Equity capitalization rate (K <sub>e</sub> )	XXX
Market value of equity (S)	XXX
Market value of debt (B)	XXX
Total value of the firm (S+B)	XXX
Overall cost of capital = K <sub>o</sub> = EBIT/V(%)	XXX%

**Net Operating Income (NOI) Approach**

Another modern theory of capital structure, suggested by Durand. This is just the opposite to the Net Income approach. According to this approach, Capital Structure decision is irrelevant to the valuation of the firm. The market value of the firm is not at all affected by the capital structure changes.

According to this approach, the change in capital structure will not lead to any change in the total value of the firm and market price of shares as well as the overall cost of capital.

NI approach is based on the following important assumptions;

The overall cost of capital remains constant;

There are no corporate taxes;

The market capitalizes the value of the firm as a whole;

Value of the firm (V) can be calculated with the help of the following formula

$$V = \frac{EBIT}{K_o}$$

Where,

V = Value of the firm

EBIT = Earnings before interest and tax

K<sub>o</sub> = Overall cost of capital

**Modigliani and Miller Approach**

Modigliani and Miller approach states that the financing decision of a firm does not affect the market value of a firm in a perfect capital market. In other words MM approach maintains that the average cost of capital does not change with change in the debt weighted equity mix or capital structures of the firm.

Modigliani and Miller approach is based on the following important assumptions:

- There is a perfect capital market.

Financial Management

Notes

- There are no retained earnings.
- There are no corporate taxes.
- The investors act rationally.
- The dividend payout ratio is 100%.

• The business consists of the same level of business risk.

Value of the firm can be calculated with the help of the following formula:

$$\frac{\text{EBIT}}{K_o}(1-t)$$

Where

EBIT = Earnings before interest and tax

$K_o$  = Overall cost of capital

t = Tax rate

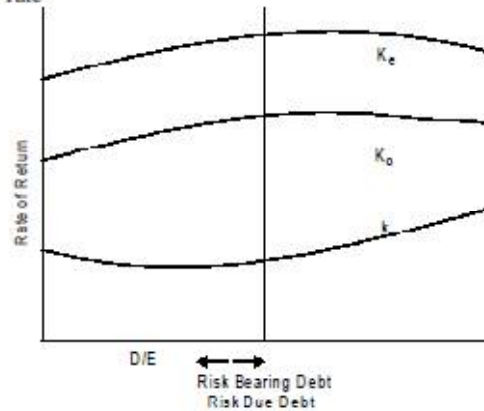


Fig. 5.2 Modigliani and Miller Approach

## REVIEW QUESTIONS

1. Define capital structure.
2. Differentiate the capital structure and financial structure.
3. What is optimum capital structure?
4. Discuss the various factors affecting the capital structure.
5. Explain the capital structure theories.

## FURTHER READINGS

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT- 6 COST OF CAPITAL

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COST OF CAPITAL

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- ❖ Introduction
- ❖ Classification Of Cost Of Capital
- ❖ Importance Of Cost Of Capital
- ❖ Computation Of Cost Of Capital
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

Cost of capital is an integral part of investment decision as it is used to measure the worth of investment proposal provided by the business concern. It is used as a discount rate in determining the present value of future cash flows associated with capital projects. Cost of capital is also called as cut-off rate, target rate, hurdle rate and required rate of return. When the firms are using different sources of finance, the finance manager must take careful decision with regard to the cost of capital; because it is closely associated with the value of the firm and the earning capacity of the firm.

### Meaning of Cost of Capital

Cost of capital is the rate of return that a firm must earn on its project investments to maintain its market value and attract funds. Cost of capital is the required rate of return on its investments which belongs to equity, debt and retained earnings. If a firm fails to earn return at the expected rate, the market value of the shares will fall and it will result in the reduction of overall wealth of the shareholders.

### Definitions

The following important definitions are commonly used to understand the meaning and concept of the cost of capital.

According to the definition of John J. Hampton “ Cost of capital is the rate of return the firm required from investment in order to increase the value of the firm in the market place”.

According to the definition of Solomon Ezra, “Cost of capital is the minimum required rate of earnings or the cut-off rate of capital expenditure”.

According to the definition of James C. Van Horne, Cost of capital is “A cut-off rate for the allocation of capital to investment of projects. It is the rate of return on a project that will leave unchanged the market price of the stock”.

According to the definition of William and Donaldson, “Cost of capital may be defined as the rate that must be earned on the net proceeds to provide the cost elements of the burden at the time they are due”.

### Assumption of Cost of Capital

Cost of capital is based on certain assumptions which are closely associated while calculating and measuring the cost of capital. It is to be considered that there are three basic concepts:

1. It is not a cost as such. It is merely a hurdle rate.
2. It is the minimum rate of return.

3. It consist of three important risks such as zero risk level, business risk and financial risk.

Cost of capital can be measured with the help of the following equation.

$$K = r_f + b + f.$$

Where,

K = Cost of capital.

$r_f$  = The riskless cost of the particular type of finance.

b = The business risk premium.

f = The financial risk premium.

## CLASSIFICATION OF COST OF CAPITAL

Cost of capital may be classified into the following types on the basis of nature and usage:

- Explicit and Implicit Cost.
- Average and Marginal Cost.
- Historical and Future Cost.
- Specific and Combined Cost.

### Explicit and Implicit Cost

The cost of capital may be explicit or implicit cost on the basis of the computation of cost of capital.

Explicit cost is the rate that the firm pays to procure financing. This may be calculated with the help of the following equation;

$$CI_0 = \sum_{t=1}^n \frac{CO_t}{(1+C)^t}$$

Where,

$CI_0$  = initial cash inflow

C = outflow in the period concerned

N = duration for which the funds are provided

T = tax rate

Implicit cost is the rate of return associated with the best investment opportunity for the firm and its shareholders that will be forgone if the projects presently under consideration by the firm were accepted.

### Average and Marginal Cost

Average cost of capital is the weighted average cost of each component of capital employed by the company. It considers weighted average cost of all kinds of financing such as equity, debt, retained earnings etc. Marginal cost is the weighted average cost of new finance raised by the company. It is the additional cost of capital when the company goes for further raising of finance.

### Historical and Future Cost

Historical cost is the cost which as already been incurred for financing a particular project. It is based on the actual cost incurred in the previous project. Future cost is the expected cost of financing in the proposed project. Expected cost is calculated on the basis of previous experience.

### Specific and Combine Cost

The cost of each sources of capital such as equity, debt, retained earnings and loans is called as specific cost of capital. It is very useful to determine the each and every specific source of capital.

The composite or combined cost of capital is the combination of all sources of capital. It is also called as overall cost of capital. It is used to understand the total cost associated with the total finance of the firm.

## IMPORTANCE OF COST OF CAPITAL

Computation of cost of capital is a very important part of the financial management to decide the capital structure of the business concern.

### Importance to Capital Budgeting Decision

Capital budget decision largely depends on the cost of capital of each source. According to net present value method, present value of cash inflow must be more than the present value of cash outflow. Hence, cost of capital is used to capital budgeting decision.

### Importance to Structure Decision

Capital structure is the mix or proportion of the different kinds of long term securities. A firm uses particular type of sources if the cost of capital is suitable. Hence, cost of capital helps to take decision regarding structure.

### Importance to Evolution of Financial Performance

Cost of capital is one of the important determining which affects the capital budgeting, capital structure and value of the firm. Hence, it helps to evaluate the financial performance of the firm.

### Importance to Other Financial Decisions

Apart from the above points, cost of capital is also used in some other areas such as, market value of share, earning capacity of securities etc. hence, it plays a major part in the financial management.

## COMPUTATION OF COST OF CAPITAL

Computation of cost of capital consists of two important parts:

1. Measurement of specific costs
2. Measurement of overall cost of capital

### Measurement of Cost of Capital

It refers to the cost of each specific sources of finance like:

- Cost of equity
- Cost of debt
- Cost of preference share
- Cost of retained earnings

### Cost of Equity

Cost of equity capital is the rate at which investors discount the expected dividends of the firm to determine its share value. Conceptually the cost of equity capital ( $K_e$ ) defined as the “Minimum rate of return that a firm must earn on the equity financed portion of an investment project in order to leave unchanged the market price of the shares”.

Cost of equity can be calculated from the following approach:

- Dividend price (D/P) approach
- Dividend price plus growth (D/P + g) approach
- Earning price (E/P) approach
- Realized yield approach.

### Dividend Price Approach

The cost of equity capital will be that rate of expected dividend which will maintain the present market price of equity shares. Dividend price approach can be measured with the help of the following formula:

$$K_e = \frac{D}{N_1}$$

Where,

- $K_e$  = Cost of equity capital
- $D$  = Dividend per equity share
- $N_p$  = Net proceeds of an equity share

### Dividend Price Plus Growth Approach

The cost of equity is calculated on the basis of the expected dividend rate per share plus growth in dividend. It can be measured with the help of the following formula:

$$K_e = \frac{D}{N_p} + g$$

Where,

- $K_e$  = Cost of equity capital
- $D$  = Dividend per equity share
- $g$  = Growth in expected dividend
- $N_p$  = Net proceeds of an equity share

### Earning Price Approach

Cost of equity determines the market price of the shares. It is based on the future earning prospects of the equity. The formula for calculating the cost of equity according to this approach is as follows.

$$K_e = \frac{E}{N_p}$$

Where,

- $K_e$  = Cost of equity capital
- $E$  = Earning per share
- $N_p$  = Net proceeds of an equity share

### Realized Yield Approach

It is the easy method for calculating cost of equity capital. Under this method, cost of equity is calculated on the basis of return actually realized by the investor in a company on their equity capital.

$$K_e = PVf \times D$$

Where,

- $K_e$  = Cost of equity capital.
- $PVf$  = Present value of discount factor.
- $D$  = Dividend per share.

### Cost of Debt

Cost of debt is the after tax cost of long-term funds through borrowing. Debt may be issued at par, at premium or at discount and also it may be perpetual or redeemable.

#### Debt Issued at Par

Debt issued at par means, debt is issued at the face value of the debt. It may be calculated with the help of the following formula.

$$K_d = (1 - t) R$$

Where,

- $K_d$  = Cost of debt capital
- $t$  = Tax rate
- $R$  = Debenture interest rate

#### Debt Issued at Premium or Discount

If the debt is issued at premium or discount, the cost of debt is calculated with the help of the following formula.



$$K_d = \frac{I}{N_p} (1 - t)$$

Where,

- $K_d$  = Cost of debt capital
- $I$  = Annual interest payable
- $N_p$  = Net proceeds of debenture
- $t$  = Tax rate

### Cost of Perpetual Debt and Redeemable Debt

It is the rate of return which the lenders expect. The debt carries a certain rate of interest.

$$K_{db} = \frac{I + 1/n(P - N_p)n}{1/n(P + N_p)/2}$$

Where,

- $I$  = Annual interest payable
- $P$  = Par value of debt
- $N_p$  = Net proceeds of the debenture
- $n$  = Number of years to maturity
- $K_{db}$  = Cost of debt before tax.

Cost of debt after tax can be calculated with the help of the following formula:

$$K_{da} = K_{db} \times (1 - t)$$

Where,

- $K_{da}$  = Cost of debt after tax
- $K_{db}$  = Cost of debt before tax
- $t$  = Tax rate

### Cost of Preference Share Capital

Cost of preference share capital is the annual preference share dividend by the net proceeds from the sale of preference share. There are two types of preference shares irredeemable and redeemable. Cost of redeemable preference share capital is calculated with the help of the following formula:

$$K_r = \frac{D_p}{N_p}$$

Where,

- $K_r$  = Cost of preference share
- $D_p$  = Fixed preference dividend
- $N_p$  = Net proceeds of an equity share

Cost of irredeemable preference share is calculated with the help of the following formula:

$$K_p = \frac{D_p + (P - N_p)/t}{(P + N_p)/2}$$

Where,

- $K_p$  = Cost of preference share
- $D_p$  = Fixed preference share
- $P$  = Par value of debt
- $N_p$  = Net proceeds of the preference share
- $n$  = Number of maturity period.

Financial Management **Cost of Retained Earnings**

Notes

Retained earnings are one of the sources of finance for investment proposal; it is different from other sources like debt, equity and preference shares. Cost of retained earnings is the same as the cost of an equivalent fully subscribed issue of additional shares, which is measured by the cost of equity capital. Cost of retained earnings can be calculated with the help of the following formula:

$$K_r = K_e (1 - t) (1 - b)$$

Where,

- $K_r$  = Cost of retained earnings
- $K_e$  = Cost of equity
- $t$  = Tax rate
- $b$  = Brokerage cost

**Measurement of Overall Cost of Capital**

It is also called as weighted average cost of capital and composite cost of capital. Weighted average cost of capital is the expected average future cost of funds over the long run found by weighting the cost of each specific type of capital by its proportion in the firms capital structure. The computation of the overall cost of capital ( $K_o$ ) involves the following steps.

- (a) Assigning weights to specific costs.
- (b) Multiplying the cost of each of the sources by the appropriate weights.
- (c) Dividing the total weighted cost by the total weights.

The overall cost of capital can be calculated with the help of the following formula;

$$K_o = K_d W_d + K_p W_p + K_e W_e + K_r W_r$$

Where,

- $K_o$  = Overall cost of capital
- $K_d$  = Cost of debt
- $K_p$  = Cost of preference share
- $K_e$  = Cost of equity
- $K_r$  = Cost of retained earnings
- $W_d$  = Percentage of debt of total capital
- $W_p$  = Percentage of preference share to total capital
- $W_e$  = Percentage of equity to total capital
- $W_r$  = Percentage of retained earnings

Weighted average cost of capital is calculated in the following formula also:

$$K_w = \frac{\sum XW}{\sum W}$$

Where,

- $K_w$  = Weighted average cost of capital
- $X$  = Cost of specific sources of finance
- $W$  = Weight, proportion of specific sources of finance.

## REVIEW QUESTIONS

*COST OF CAPITAL*

*Notes*

1. What is cost of capital? Define cost of capital. Cost of capital computation based on certain assumptions. Discuss.
2. Explain the classification of cost. Mention the importance of cost of capital.
3. Explain the computation of specific sources of cost of capital.
4. How overall cost of capital is calculated?
5. Explain various approaches for calculation of cost of equity.
6. Rama company issues 120000 10% debentures of Rs. 10 each at a premium of 10%. The costs of floatation are 4%. The rate of tax applicable to the company is 55%. Complete the cost of debt capital.
7. Siva Ltd., issues 8000 8% debentures for Rs. 100 each at a discount of 5%. The commission payable to underwriters and brokers is Rs. 40000. The debentures are redeemable after 5 years. Compute the after tax cost of debt assuming a tax rate of 60%.

## FURTHER READINGS

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

## CONTENTS

- ❖ Introduction
- ❖ Operating Leverage
- ❖ Financial Leverage
- ❖ Combined Leverage
- ❖ Working Capital Leverage
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

Financial decision is one of the integral and important parts of financial management in any kind of business concern. A sound financial decision must consider the board coverage of the financial mix (Capital Structure), total amount of capital (capitalization) and cost of capital (Ko). Capital structure is one of the significant things for the management, since it influences the debt equity mix of the business concern, which affects the shareholder's return and risk. Hence, deciding the debt-equity mix plays a major role in the part of the value of the company and market value of the shares. The debt equity mix of the company can be examined with the help of leverage.

The concept of leverage is discussed in this part. Types and effects of leverage is discussed in the part of EBIT and EPS.

### Meaning of Leverage

The term leverage refers to an increased means of accomplishing some purpose. Leverage is used to lifting heavy objects, which may not be otherwise possible. In the financial point of view, leverage refers to furnish the ability to use fixed cost assets or funds to increase the return to its shareholders.

### Definition of Leverage

James Horne has defined leverage as, "the employment of an asset or fund for which the firm pays a fixed cost or fixed return.

### Types of Leverage

Leverage can be classified into three major headings according to the nature of the finance mix of the company.

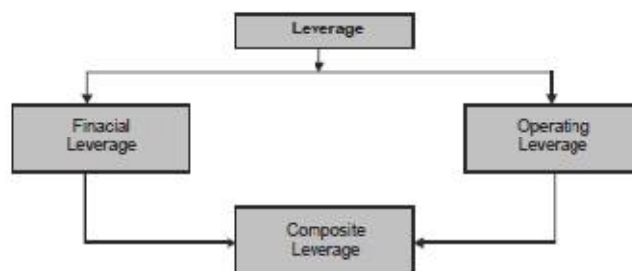


Fig. 7.1 Types of Leverage

The company may use finance or leverage or operating leverage, to increase the EBIT and EPS.

## OPERATING LEVERAGE

Leverage

Notes

The leverage associated with investment activities is called as operating leverage. It is caused due to fixed operating expenses in the company. Operating leverage may be defined as the company's ability to use fixed operating costs to magnify the effects of changes in sales on its earnings before interest and taxes. Operating leverage consists of two important costs viz., fixed cost and variable cost. When the company is said to have a high degree of operating leverage if it employs a great amount of fixed cost and smaller amount of variable cost. Thus, the degree of operating leverage depends upon the amount of various cost structure. Operating leverage can be determined with the help of a break even analysis. Operating leverage can be calculated with the help of the following formula:

$$OL = \frac{C}{OP}$$

Where,

OL = Operating Leverage

C = Contribution

OP = Operating Profits

### Degree of Operating Leverage

The degree of operating leverage may be defined as percentage change in the profits resulting from a percentage change in the sales. It can be calculated with the help of the following formula:

$$DOL = \frac{\text{Percentage change in profits}}{\text{Percentage change in sales}}$$

### Comments

Operating leverage for B Company is higher than that of A Company; B Company has a higher degree of operating risk. The tendency of operating profit may vary portionately with sales, is higher for B Company as compared to A Company.

### Uses of Operating Leverage

Operating leverage is one of the techniques to measure the impact of changes in sales which lead for change in the profits of the company.

If any change in the sales, it will lead to corresponding changes in profit.

Operating leverage helps to identify the position of fixed cost and variable cost.

Operating leverage measures the relationship between the sales and revenue of the company during a particular period. Operating leverage helps to understand the level of fixed cost which is invested in the operating expenses of business activities.

Operating leverage describes the overall position of the fixed operating cost.

## FINANCIAL LEVERAGE

Leverage activities with financing activities is called financial leverage. Financial leverage represents the relationship between the company's earnings before interest and taxes (EBIT) or operating profit and the earning available to equity shareholders.

Financial leverage is defined as “the ability of a firm to use fixed financial charges to magnify the effects of changes in EBIT on the earnings per share”. It involves the use of funds obtained at a fixed cost in the hope of increasing the return to the shareholders. “The use of long-term fixed interest bearing debt and preference share capital along with share capital is called financial leverage or trading on equity”.

Financial leverage may be favourable or unfavourable depends upon the use of fixed cost funds.

Favourable financial leverage occurs when the company earns more on the assets purchased with the funds, then the fixed cost of their use. Hence, it is also called as positive financial leverage.

Unfavourable financial leverage occurs when the company does not earn as much as the funds cost. Hence, it is also called as negative financial leverage.

Financial leverage can be calculated with the help of the following formula:

$$FL = \frac{OP}{PBT}$$

Where,

FL = Financial leverage

OP = Operating profit (EBIT)

PBT = Profit before tax.

### Degree of Financial Leverage

Degree of financial leverage may be defined as the percentage change in taxable profit as a result of percentage change in earning before interest and tax (EBIT). This can be calculated by the following formula

$$DFL = \frac{\text{Percentage change in taxable Income}}{\text{Percentage change in EBIT}}$$

### Alternative Definition of Financial Leverage

According to Gitmar, “financial leverage is the ability of a firm to use fixed financial changes to magnify the effects of change in EBIT and EPS”.

$$FL = \frac{EBIT}{EPS}$$

Where,

FL = Financial Leverage

EBIT = Earning Before Interest and Tax

EPS = Earning Per share.

### Uses of Financial Leverage

Financial leverage helps to examine the relationship between EBIT and EPS. Financial leverage measures the percentage of change in taxable income to the percentage change in EBIT.

Financial leverage locates the correct profitable financial decision regarding capital structure of the company. Financial leverage is one of the important devices which is used to measure the fixed cost proportion with the total capital of the company. If the firm acquires fixed cost

funds at a higher cost, then the earnings from those assets, the earning per share and return on equity capital will decrease.

Leverage

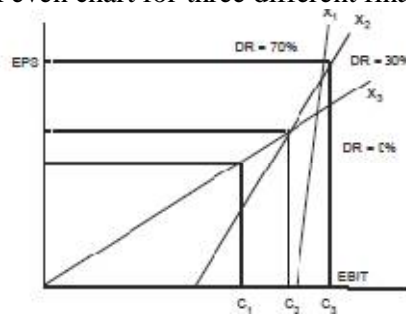
**DISTINGUISH BETWEEN OPERATING LEVERAGE AND FINANCIAL LEVERAGE**

Notes

Operating Leverage/Financial Leverage

Operating Leverage	Financial Leverage
1. Operating leverage is associated with investment activities of the company.	1. Financial leverage is associated with financing activities of the company.
2. Operating leverage consists of fixed operating expenses of the company.	2. Financial leverage consists of operating profit of the company.
3. It represents the ability to use fixed operating cost.	3. It represents the relationship between EBIT and EPS.
4. Operating leverage can be calculated by $OL = \frac{C}{OP}$ .	4. Financial leverage can be calculated by $FL = \frac{OP}{PBT}$ .
5. A percentage change in the profits resulting from a percentage change in the sales is called as degree of operating leverage.	5. A percentage change in taxable profit is the result of percentage change in EBIT.
6. Trading on equity is not possible while the company is operating leverage.	6. Trading on equity is possible only when the company uses financial leverage.
7. Operating leverage depends upon fixed cost and variable cost.	7. Financial leverage depends upon the operating profits.
8. Tax rate and interest rate will not affect the operating leverage.	8. Financial leverage will change due to tax rate and interest rate.

EBIT - EPS Break even chart for three different financing alternatives



EBIT - EPS Break Even Chart

Where,

DR= Debt Ratio

C1, C2, C3 = Indifference Point

X1, X2, X3 = Financial BEP

**Financial BEP**

It is the level of EBIT which covers all fixed financing costs of the company. It is the level of EBIT at which EPS is zero.

**Indifference Point**

It is the point at which different sets of debt ratios (percentage of debt to total capital employed in the company) gives the same EPS.

**COMBINED LEVERAGE**

When the company uses both financial and operating leverage to magnification of any change in sales into a larger relative changes in earning per share. Combined leverage is also called as composite leverage or total leverage.

Combined leverage express the relationship between the revenue in the account of sales and the taxable income.

Combined leverage can be calculated with the help of the following formulas:



$$CL = OL \times FL$$

$$CL = \frac{C}{CP} \times \frac{OP}{PBT} = \frac{C}{PBT}$$

Where,

CL = Combined Leverage

OL = Operating Leverage

FL = Financial Leverage

C = Contribution

OP = Operating Profit (EBIT)

PBT = Profit Before Tax

### Degree of Combined Leverage

The percentage change in a firm's earning per share (EPS) results from one percent change in sales. This is also equal to the firm's degree of operating leverage (DOL) times its degree of financial leverage (DFL) at a particular level of sales.

$$\text{Degree of contributed coverage} = \frac{\text{Percentage change in EPS}}{\text{Percentage change in sales}}$$

## WORKING CAPITAL LEVERAGE

One of the new models of leverage is working capital leverage which is used to locate the investment in working capital or current assets in the company.

Working capital leverage measures the sensitivity of return in investment of charges in the level of current assets.

$$\text{WCL} = \frac{\text{Percentage Change in ROI}}{\text{Percentage Change in WC}}$$

If the earnings are not affected by the changes in current assets, the working capital leverage can be calculated with the help of the following formula.

$$\text{WCL} = \frac{CA}{TA \pm DCA}$$

Where,

CA = Current Assets

TA = Total Assets

DCA = Changes in the level of Current Assets

## REVIEW QUESTIONS

1. Write a note on trading on equity. What is meant by working capital leverage?
2. What is leverage? Mention different types of leverage?
3. Explain the operating leverage. Discuss the concept of financial leverage.
4. How compared leverage is calculated? . Explain the working capital leverage.
5. What is point of indifference?
6. Distinguish the operating leverage from financial leverage.
7. Explain the uses of operating leverage.



## **FURTHER READINGS**

*Leverage*

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

*Notes*

# UNIT- 8 DIVIDEND DECISION

Notes

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- ❖ Introduction
- ❖ Types Of Dividend/Form Of Dividend
- ❖ Dividend Decision
- ❖ Relevance Of Dividend
- ❖ Factors Determining Dividend Policy
- ❖ Types Of Dividend Policy
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

The financial manager must take careful decisions on how the profit should be distributed among shareholders. It is very important and crucial part of the business concern, because these decisions are directly related with the value of the business concern and shareholder's wealth. Like financing decision and investment decision, dividend decision is also a major part of the financial manager. When the business concerns decide dividend policy, they have to consider certain factors such as retained earnings and the nature of shareholder of the business concern.

### Meaning of Dividend

Dividend refers to the business concerns net profits distributed among the shareholders. It may also be termed as the part of the profit of a business concern, which is distributed among its shareholders.

According to the Institute of Chartered Accountant of India, dividend is defined as "a distribution to shareholders out of profits or reserves available for this purpose".

## TYPES OF DIVIDEND/FORM OF DIVIDEND

Dividend may be distributed among the shareholders in the form of cash or stock. Hence, Dividends are classified into:

- A. Cash dividend
- B. Stock dividend
- C. Bond dividend
- D. Property dividend

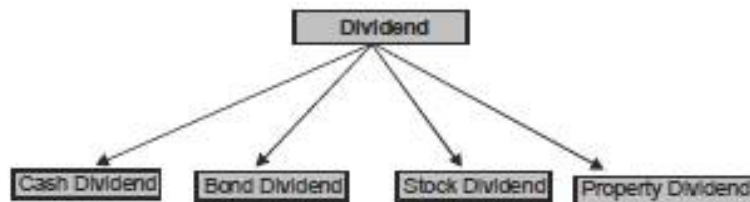


Fig. 8.1 Types of Dividend

### Cash Dividend

If the dividend is paid in the form of cash to the shareholders, it is called cash dividend. It is paid periodically out the business concerns EAIT (Earnings after interest and tax). Cash dividends are common and popular types followed by majority of the business concerns.

**Stock Dividend**

Stock dividend is paid in the form of the company stock due to raising of more finance. Under this type, cash is retained by the business concern. Stock dividend may be bonus issue. This issue is given only to the existing shareholders of the business concern.

**Bond Dividend**

Bond dividend is also known as script dividend. If the company does not have sufficient funds to pay cash dividend, the company promises to pay the shareholder at a future specific date with the help of issue of bond or notes.

**Property Dividend**

Property dividends are paid in the form of some assets other than cash. It will distributed under the exceptional circumstance. This type of dividend is not published in India.

**DIVIDEND DECISION**

Dividend decision of the business concern is one of the crucial parts of the financial manager, because it determines the amount of profit to be distributed among shareholders and amount of profit to be treated as retained earnings for financing its long term growth. Hence, dividend decision plays very important part in the financial management.

Dividend decision consists of two important concepts which are based on the relationship between dividend decision and value of the firm.

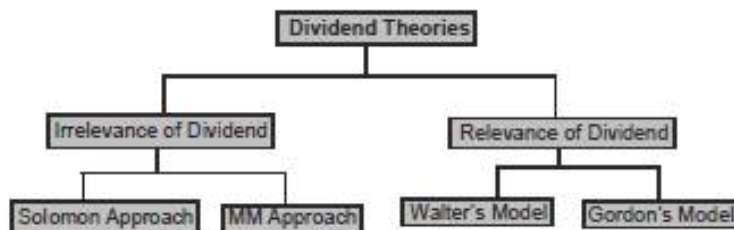


Fig. 8.2 Dividend Theories

**Irrelevance of Dividend**

According to professors Soloman, Modigliani and Miller, dividend policy has no effect on the share price of the company. There is no relation between the dividend rate and value of the firm. Dividend decision is irrelevant of the value of the firm. Modigliani and Miller contributed a major approach to prove the irrelevance dividend concept.

**Modigliani and Miller's Approach**

According to MM, under a perfect market condition, the dividend policy of the company is irrelevant and it does not affect the value of the firm.

“Under conditions of perfect market, rational investors, absence of tax discrimination between dividend income and capital appreciation, given the firm's investment policy, its dividend policy may have no influence on the market price of shares”.

**Assumptions**

MM approach is based on the following important assumptions:

1. Perfect capital market.
2. Investors are rational.
3. There are no tax.
4. The firm has fixed investment policy.

### Proof for MM approach

MM approach can be proved with the help of the following formula:

$$P_0 = \frac{D_1 + P_1}{(1 + K_e)}$$

Where,

$P_0$  = Prevailing market price of a share.

$K_e$  = Cost of equity capital.

$D_1$  = Dividend to be received at the end of period one.

$P_1$  = Market price of the share at the end of period one.

$P_1$  can be calculated with the help of the following formula:

$$P_1 = P_0 (1 + K_e) - D_1$$

The number of new shares to be issued can be determined by the following formula:

$$M \times P_1 = I - (X - nD_1)$$

Where,

$M$  = Number of new share to be issued.

$P_1$  = Price at which new issue is to be made.

$I$  = Amount of investment required.

$X$  = Total net profit of the firm during the period.

$nD_1$  = Total dividend paid during the period.

### Criticism of MM approach

MM approach consists of certain criticisms also. The following are the major criticisms of MM approach. MM approach assumes that tax does not exist. It is not applicable in the practical life of the firm. MM approach assumes that, there is no risk and uncertain of the investment. It is also not applicable in present day business life.

MM approach does not consider floatation cost and transaction cost. It leads to affect the value of the firm. MM approach considers only single decrement rate, it does not exist in real practice. MM approach assumes that, investor behaves rationally. But we cannot give assurance that all the investors will behave rationally.

### RELEVANCE OF DIVIDEND

According to this concept, dividend policy is considered to affect the value of the firm. Dividend relevance implies that shareholders prefer current dividend and there is no direct relationship between dividend policy and value of the firm. Relevance of dividend concept is supported by two eminent persons like Walter and Gordon.

#### Walter's Model

Prof. James E. Walter argues that the dividend policy almost always affects the value of the firm.

Walter model is based in the relationship between the following important factors:

- Rate of return  $r$
- Cost of capital  $(k)$

According to the Walter's model, if  $r > k$ , the firm is able to earn more than what the shareholders could by reinvesting, if the earnings are paid to them. The implication of  $r > k$  is that the shareholders can earn a higher return by investing elsewhere. If the firm has  $r = k$ , it is a matter of indifferent whether earnings are retained or distributed.

**Assumptions**

Walters model is based on the following important assumptions:

1. The firm uses only internal finance.
2. The firm does not use debt or equity finance.
3. The firm has constant return and cost of capital.
4. The firm has 100 percent payout.
5. The firm has constant EPS and dividend.
6. The firm has a very long life.

Walter has evolved a mathematical formula for determining the value of market share.

$$P = \frac{D + \frac{r}{K_e}(E - D)}{K_e}$$

Where,

P = Market price of an equity share

D = Dividend per share

r = Internal rate of return

E = Earning per share

$K_e$  = Cost of equity capital

**Criticism of Walter's Model**

The following are some of the important criticisms against Walter model: Walter model assumes that there is no extracted finance used by the firm. It is not practically applicable. There is no possibility of constant return. Return may increase or decrease, depending upon the business situation. Hence, it is applicable. According to Walter model, it is based on constant cost of capital. But it is not applicable in the real life of the business.

**Gordon's Model**

Myron Gordon suggest one of the popular model which assume that dividend policy of a firm affects its value, and it is based on the following important assumptions:

1. The firm is an all equity firm.
2. The firm has no external finance.
3. Cost of capital and return are constant.
4. The firm has perpetual life.
5. There are no taxes.
6. Constant relation ratio ( $g=br$ ).
7. Cost of capital is greater than growth rate ( $K_e > br$ ).

Gordon's model can be proved with the help of the following formula:

$$P = \frac{E(1 - b)}{K_e - br}$$

Where,

P = Price of a share

E = Earnings per share

$1 - b$  = D/p ratio (i.e., percentage of earnings distributed as dividends)

$K_e$  = Capitalization rate

$br$  = Growth rate = rate of return on investment of an all equity firm.

### **Criticism of Gordon's Model**

Gordon's model consists of the following important criticisms: Gordon model assumes that there is no debt and equity finance used by the firm. It is not applicable to present day business.

$K_e$  and  $r$  cannot be constant in the real practice. According to Gordon's model, there are no tax paid by the firm. It is not practically applicable.

## **FACTORS DETERMINING DIVIDEND POLICY**

### **Profitable Position of the Firm**

Dividend decision depends on the profitable position of the business concern. When the firm earns more profit, they can distribute more dividends to the shareholders.

### **Uncertainty of Future Income**

Future income is a very important factor, which affects the dividend policy. When the shareholder needs regular income, the firm should maintain regular dividend policy.

### **Legal Constrains**

The Companies Act 1956 has put several restrictions regarding payments and declaration of dividends. Similarly, Income Tax Act, 1961 also lays down certain restrictions on payment of dividends.

### **Liquidity Position**

Liquidity position of the firms leads to easy payments of dividend. If the firms have high liquidity, the firms can provide cash dividend otherwise, they have to pay stock dividend.

### **Sources of Finance**

If the firm has finance sources, it will be easy to mobilise large finance. The firm shall not go for retained earnings.

### **Growth Rate of the Firm**

High growth rate implies that the firm can distribute more dividend to its shareholders.

### **Tax Policy**

Tax policy of the government also affects the dividend policy of the firm. When the government gives tax incentives, the company pays more dividend.

### **Capital Market Conditions**

Due to the capital market conditions, dividend policy may be affected. If the capital market is perfect, it leads to improve the higher dividend.

## **TYPES OF DIVIDEND POLICY**

Dividend policy depends upon the nature of the firm, type of shareholder and profitable position. On the basis of the dividend declaration by the firm, the dividend policy may be classified under the following types:

- Regular dividend policy
- Stable dividend policy
- Irregular dividend policy
- No dividend policy.

### **Regular Dividend Policy**

Dividend payable at the usual rate is called as regular dividend policy. This type of policy is suitable to the small investors, retired persons and others.

**Stable Dividend Policy**

Stable dividend policy means payment of certain minimum amount of dividend regularly. This dividend policy consists of the following three important forms:

- Constant dividend per share
- Constant payout ratio
- Stable rupee dividend plus extra dividend.
- Irregular Dividend Policy

When the companies are facing constraints of earnings and unsuccessful business operation, they may follow irregular dividend policy. It is one of the temporary arrangements to meet the financial problems. These types are having adequate profit. For others no dividend is distributed.

**No Dividend Policy**

Sometimes the company may follow no dividend policy because of its unfavourable working capital position of the amount required for future growth of the concerns.

**REVIEW QUESTIONS**

1. What is dividend? Explain the types of dividend.
2. Explain the approaches of dividend decision.
3. Explain the factors affecting the dividend policy.
4. Discuss the various types of dividend policy.
5. Explain the irrelevance and relevance dividend theories.
6. State the criticism of MM approach.
7. What are the assumptions of Walter's model?
8. What are the assumptions and criticisms of Gordon's model?

**FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT- 9 CAPITAL BUDGETING

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- ❖ Introduction
- ❖ Capital Budgeting Process
- ❖ Kinds of Capital Budgeting Decisions
- ❖ Methods of Capital Budgeting of Evaluation
- ❖ Risk And Uncertainly in Capital Budgeting
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

The word Capital refers to be the total investment of a company of firm in money, tangible and intangible assets. Whereas budgeting defined by the “Rowland and William” it may be said to be the art of building budgets. Budgets are a blue print of a plan and action expressed in quantities and manners.

The examples of capital expenditure:

1. Purchase of fixed assets such as land and building, plant and machinery, good will, etc.
2. The expenditure relating to addition, expansion, improvement and alteration to the fixed assets.
3. The replacement of fixed assets.
4. Research and development project.

### Definitions

According to the definition of Charles T. Hrongreen, “capital budgeting is a long-term planning for making and financing proposed capital out lays.

According to the definition of G.C. Philippatos, “capital budgeting is concerned with the allocation of the firms source financial resources among the available opportunities.

The consideration of investment opportunities involves the comparison of the expected future streams of earnings from a project with the immediate and subsequent streams of earning from a project, with the immediate and subsequent streams of expenditure”.

According to the definition of Richard and Green law, “capital budgeting is acquiring inputs with long-term return”.

According to the definition of Lyrich, “capital budgeting consists in planning development of available capital for the purpose of maximizing the long-term profitability of the concern”.

It is clearly explained in the above definitions that a firm’s scarce financial resources are utilizing the available opportunities. The overall objectives of the company from is to maximize the profits and minimize the expenditure of cost.



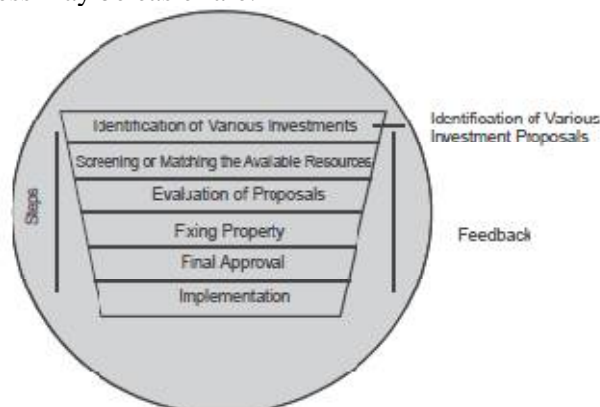
### Need and Importance of Capital Budgeting

1. Huge investments: Capital budgeting requires huge investments of funds, but the available funds are limited, therefore the firm before investing projects, plan are control its capital expenditure.
2. Long-term: Capital expenditure is long-term in nature or permanent in nature. Therefore financial risks involved in the investment decision are more. If higher risks are involved, it needs careful planning of capital budgeting.
3. Irreversible: The capital investment decisions are irreversible, are not changed back. Once the decision is taken for purchasing a permanent asset, it is very difficult to dispose off those assets without involving huge losses.
4. Long-term effect: Capital budgeting not only reduces the cost but also increases the revenue in long-term and will bring significant changes in the profit of the company by avoiding over or more investment or under investment. Over investments leads to be unable to utilize assets or over utilization of fixed assets.

Therefore before making the investment, it is required carefully planning and analysis of the project thoroughly.

### CAPITAL BUDGETING PROCESS

Capital budgeting is a difficult process to the investment of available funds. The benefit will attained only in the near future but, the future is uncertain. However, the following steps followed for capital budgeting, then the process may be easier are.



#### Capital Budgeting Process

1. Identification of various investments proposals: The capital budgeting may have various investment proposals. The proposal for the investment opportunities may be defined from the top management or may be even from the lower rank. The heads of various department analyse the various investment decisions, and will select proposals submitted to the planning committee of competent authority.
2. Screening or matching the proposals: The planning committee will analyse the various proposals and screenings. The selected proposals are considered with the available resources of the concern. Here resources referred as the financial part of the proposal. This reduces the gap between the resources and the investment cost.
3. Evaluation: After screening, the proposals are evaluated with the help of various methods, such as payback period proposal, net discovered

*Financial Management* present value method, accounting rate of return and risk analysis. Each method of evaluation used in detail in the later part of this chapter. The proposals are evaluated by.

*Notes*

- (a) Independent proposals
- (b) Contingent of dependent proposals
- (c) Partially exclusive proposals.

Independent proposals are not compared with another proposal and the same may be accepted or rejected. Whereas higher proposals acceptance depends upon the other one or more proposals. For example, the expansion of plant machinery leads to constructing of new building, additional manpower etc. Mutually exclusive projects are those which competed with other proposals and to implement the proposals after considering the risk and return, market demand etc.

4. Fixing property: After the evolution, the planning committee will predict which proposals will give more profit or economic consideration. If the projects or proposals are not suitable for the concern's financial condition, the projects are rejected without considering other nature of the proposals.

5. Final approval: The planning committee approves the final proposals, with the help of the following:

- (a) Profitability
- (b) Economic constituents
- (c) Financial violability
- (d) Market conditions.

The planning committee prepares the cost estimation and submits to the management.

6. Implementing: The competent authority spends the money and implements the proposals. While implementing the proposals, assign responsibilities to the proposals, assign responsibilities for completing it, within the time allotted and reduce the cost for this purpose. The network techniques used such as PERT and CPM. It helps the management for monitoring and containing the implementation of the proposals.

7. Performance review of feedback: The final stage of capital budgeting is actual results compared with the standard results. The adverse or unfavourable results identified and removing the various difficulties of the project. This is helpful for the future of the proposals.

## **KINDS OF CAPITAL BUDGETING DECISIONS**

The overall objective of capital budgeting is to maximize the profitability. If a firm concentrates return on investment, this objective can be achieved either by increasing the revenues or reducing the costs. The increasing revenues can be achieved by expansion or the size of operations by adding a new product line. Reducing costs mean representing obsolete return on assets.

## **METHODS OF CAPITAL BUDGETING OF EVALUATION**

By matching the available resources and projects it can be invested. The funds available are always living funds. There are many considerations taken for investment decision process such as environment and economic conditions.

The methods of evaluations are classified as follows:

(A) Traditional methods (or Non-discount methods)

(i) Pay-back Period Methods

(ii) Post Pay-back Methods

(iii) Accounts Rate of Return

(B) Modern methods (or Discount methods)

(i) Net Present Value Method

(ii) Internal Rate of Return Method

(iii) Profitability Index Method

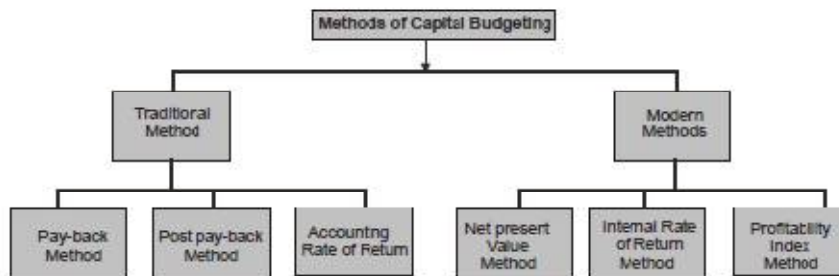


Fig. 9.2 Capital Budgeting Methods

### Pay-back Period

Pay-back period is the time required to recover the initial investment in a project. (It is one of the non-discounted cash flow methods of capital budgeting).

$$\text{Pay-back period} = \frac{\text{Initial investment}}{\text{Annual cash inflows}}$$

### Merits of Pay-back method

The following are the important merits of the pay-back method:

1. It is easy to calculate and simple to understand.
2. Pay-back method provides further improvement over the accounting rate return.
3. Pay-back method reduces the possibility of loss on account of obsolescence.

### Demerits

1. It ignores the time value of money.
2. It ignores all cash inflows after the pay-back period.
3. It is one of the misleading evaluations of capital budgeting.

### Accept /Reject criteria

If the actual pay-back period is less than the predetermined pay-back period, the project would be accepted. If not, it would be rejected.

### Post Pay-back Profitability Method

One of the major limitations of pay-back period method is that it does not consider the cash inflows earned after pay-back period and if the real profitability of the project cannot be assessed. To improve over this method, it can be made by considering the receivable after the pay-back period. These returns are called post pay-back profits.

### Accounting Rate of Return or Average Rate of Return

Average rate of return means the average rate of return or profit taken for considering the project evaluation. This method is one of the traditional methods for evaluating the project proposals:

1. It is easy to calculate and simple to understand.
2. It is based on the accounting information rather than cash inflow.
3. It is not based on the time value of money.
4. It considers the total benefits associated with the project.

**Demerits**

1. It ignores the time value of money.
2. It ignores the reinvestment potential of a project.
3. Different methods are used for accounting profit. So, it leads to some difficulties in the calculation of the project.

**Accept/Reject criteria**

If the actual accounting rate of return is more than the predetermined required rate of return, the project would be accepted. If not it would be rejected.

**Net Present Value**

Net present value method is one of the modern methods for evaluating the project proposals. In this method cash inflows are considered with the time value of the money. Net present value describes as the summation of the present value of cash inflow and present value of cash outflow. Net present value is the difference between the total present value of future cash inflows and the total present value of future cash outflows.

**Merits**

1. It recognizes the time value of money.
2. It considers the total benefits arising out of the proposal.
3. It is the best method for the selection of mutually exclusive projects.
4. It helps to achieve the maximization of shareholders' wealth.

**Demerits**

1. It is difficult to understand and calculate.
2. It needs the discount factors for calculation of present values.
3. It is not suitable for the projects having different effective lives.

**Accept/Reject criteria**

If the present value of cash inflows is more than the present value of cash outflows, it would be accepted. If not, it would be rejected.

**Internal Rate of Return**

Internal rate of return is time adjusted technique and covers the disadvantages of the traditional techniques. In other words it is a rate at which discount cash flows to zero.

It is expected by the following ratio:

$$\frac{\text{Cash inflow}}{\text{Investment initial}}$$

**Steps to be followed:**

**Step 1.** find out factor

Factor is calculated as follows:

$$F = \frac{\text{Cash outlay (or) initial investment}}{\text{Cash inflow}}$$

**Step 2.** Find out positive net present value

**Step 3.** Find out negative net present value

**Step 4.** Find out formula net present value

$$\text{IRR} = \text{Base factor} + \frac{\text{Positive net present value}}{\text{Difference in positive and Negative net present value}} \times \text{DP}$$

Formula

Base factor = Positive discount rate

DP = Difference in percentage

### Merits

1. It consider the time value of money.
2. It takes into account the total cash inflow and outflow.
3. It does not use the concept of the required rate of return.
4. It gives the approximate/nearest rate of return.

### Demerits

1. It involves complicated computational method.
2. It produces multiple rates which may be confusing for taking decisions.
3. It is assume that all intermediate cash flows are reinvested at the internal rate of return.

### Accept/Reject criteria

If the present value of the sum total of the compounded reinvested cash flows is greater than the present value of the outflows, the proposed project is accepted. If not it would be rejected.

### Capital Rationing

In the rationing the company has only limited investment the projects are selected according to the profitability. The project has selected the combination of proposal that will yield the greatest portability.

## RISK AND UNCERTAINTY IN CAPITAL BUDGETING

Capital budgeting requires the projection of cash inflow and outflow of the future. The future is always uncertain, estimate of demand, production, selling price, cost etc., cannot be exact.

For example: The product at any time it become obsolete therefore, the future is unexpected. The following methods for considering the accounting of risk in capital budgeting. Various evaluation methods are used for risk and uncertainty in capital budgeting are as follows:

- (i) Risk-adjusted cut off rate (or method of varying discount rate)
- (ii) Certainly equivalent method.
- (iii) Sensitivity technique.
- (iv) Probability technique
- (v) Standard deviation method.
- (vi) Co-efficient of variation method.
- (vii) Decision tree analysis.

(i) Risk-adjusted cut off rate (or Method of varying)

This is one of the simplest methods while calculating the risk in capital budgeting increase cut of rate or discount factor by certain percentage an account of risk.

### (iii) Sensitivity technique

When cash inflows are sensitive under different circumstances more than one forecast of the future cash inflows may be made. These inflows may be regarded on 'Optimistic', 'most likely' and 'pessimistic'. Further cash inflows may be discounted to find out the net present values under these three different situations. If the net present values under the three

situations differ widely it implies that there is a great risk in the project and the investor's decision to accept or reject a project will depend upon his risk bearing activities.

#### **(iv) Probability technique**

Probability technique refers to the each event of future happenings are assigned with relative frequency probability. Probability means the likelihood of future event. The cash inflows of the future years further discounted with the probability. The higher present value may be accepted.

#### **(vi) Co-efficient of variation method**

Co-efficient of variation is a relative measure of dispersion. In the projects here the same cost but different net present values, relative measure, i.e., Co-efficient of variation should be risk induced. It can be

$$\text{Co-efficient of variation} = \frac{\text{Standard deviation}}{\text{mean}} \times 100$$

calculated as

#### **(vii) Decision tree analysis**

In the modern business world, putting the investments are become more complex and taking decisions in the risky situations. So, the decision tree analysis helpful for taking risky and complex decisions, because it consider all the possible event's and each possible events are assigned with the probability.

#### **Construction of Decision Tree**

1. Defined the problem
2. Evaluate the different alternatives
3. Indicating the decision points
4. Assign the probabilities of the monetary values
5. Analysis the alternatives.

#### **Accept/Reject criteria**

If the net present values are in positive the project may be accepted otherwise it is rejected.

### **REVIEW QUESTIONS**

1. What is capital budgeting? Explain its needs and importance.
2. What are the stages of capital budgeting process?
3. Explain the various methods of capital budgeting techniques.
4. What is risk and uncertainty?
5. Calculate the payback period from the following information:  
Cash outlay Rs. 50,000 and cash inflow Rs. 12,500.

### **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildret

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# UNIT- 10 WORKING CAPITAL

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WORKING CAPITAL

## CONTENTS

Notes

- ❖ Introduction
- ❖ Meaning of Working Capital
- ❖ Concept of Working Capital
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- ❖ Working Capital Management Policy
- ❖ Sources of Working Capital
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## INTRODUCTION

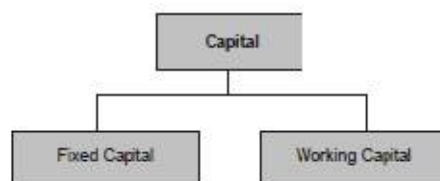
Working capital management is also one of the important parts of the financial management. It is concerned with short-term finance of the business concern which is a closely related trade between profitability and liquidity. Efficient working capital management leads to improve the operating performance of the business concern and it helps to meet the short term liquidity. Hence, study of working capital management is not only an important part of financial management but also are overall management of the business concern. Working capital is described as the capital which is not fixed but the more common uses of the working capital is to consider it as the difference between the book value of current assets and current liabilities.

This chapter deals with the following important aspects of the working capital management.

- Meaning of Working Capital
- Concept of Working Capital
- Types of Working Capital
- Needs of Working Capital
- Factors determining Working Capital
- Computation of Working Capital
- Sources of Working Capital
- Working Capital Management Policy
- Working Capital and Banking Committee

## MEANING OF WORKING CAPITAL

Capital of the concern may be divided into two major headings.



**Capital of the Business**

Fixed capital means that capital, which is used for long-term investment of the business concern. For example, purchase of permanent assets. Normally it consists of non-recurring in nature.

Working Capital is another part of the capital which is needed for meeting day to day requirement of the business concern. For example, payment to creditors, salary paid to workers, purchase of raw materials etc., normally it consists of recurring in nature. It can be easily converted into cash. Hence, it is also known as short-term capital.

**Definitions**

According to the definition of Mead, Baker and Malott, “Working Capital means Current Assets”.

According to the definition of J.S.Mill, “The sum of the current asset is the working capital of a business”.

According to the definition of Weston and Brigham, “Working Capital refers to a firm’s investment in short-term assets, cash, short-term securities, accounts receivables and inventories”.

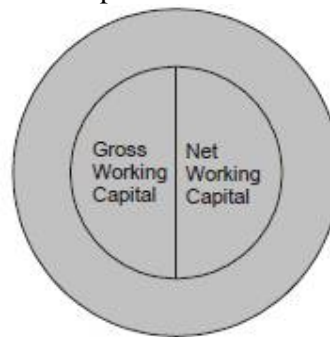
According to the definition of Bonneville, “Any acquisition of funds which increases the current assets, increase working capital also for they are one and the same”.

According to the definition of Shubin, “Working Capital is the amount of funds necessary to cover the cost of operating the enterprises”.

According to the definition of Genestenberg, “Circulating capital means current assets of a company that are changed in the ordinary course of business from one form to another, for example, from cash to inventories, inventories to receivables, receivables to cash”.

**CONCEPT OF WORKING CAPITAL**

Working capital can be classified or understood with the help of the following two important concepts.



**Working Capital Concept**

**Gross Working Capital**

Gross Working Capital is the general concept which determines the working capital concept. Thus, the gross working capital is the capital invested in total current assets of the business concern.

Gross Working Capital is simply called as the total current assets of the concern.

$$GWC = CA$$

**Net Working Capital**

Net Working Capital is the specific concept, which, considers both current assets and current liability of the concern. Net Working Capital is



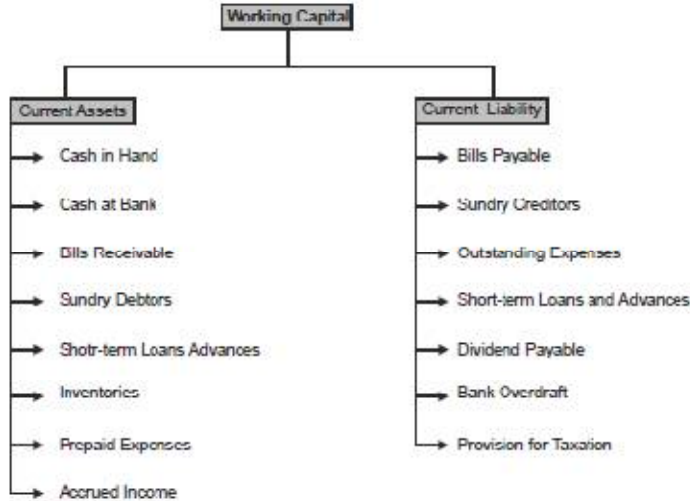
the excess of current assets over the current liability of the concern *WORKING CAPITAL* during a particular period.

If the current assets exceed the current liabilities it is said to be positive working capital; it is reverse, it is said to be Negative working capital. *Notes*

$$NWC = CA - CL$$

**Component of Working Capital**

Working capital constitutes various current assets and current liabilities. This can be illustrated by the following chart.



**TYPES OF WORKING CAPITAL**

Working Capital may be classified into three important types on the basis of time.

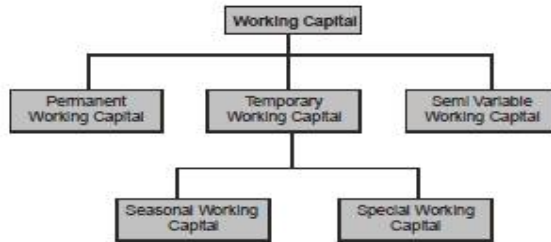


Fig. 10.3 Types of Working Capital

**Permanent Working Capital**

It is also known as Fixed Working Capital. It is the capital; the business concern must maintain certain amount of capital at minimum level at all times. The level of Permanent Capital depends upon the nature of the business. Permanent or Fixed Working Capital will not change irrespective of time or volume of sales.

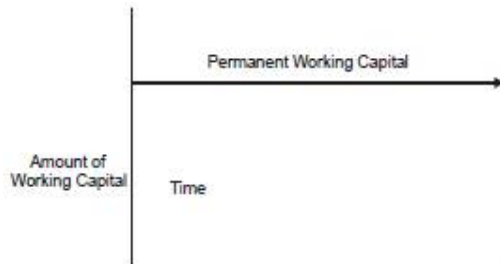


Fig. 10.4 Permanent Working Capital

Financial Management **Temporary Working Capital**

Notes

It is also known as variable working capital. It is the amount of capital which is required to meet the Seasonal demands and some special purposes. It can be further classified into Seasonal Working Capital and Special Working Capital.

The capital required to meet the seasonal needs of the business concern is called as Seasonal Working Capital. The capital required to meet the special exigencies such as launching of extensive marketing campaigns for conducting research, etc.

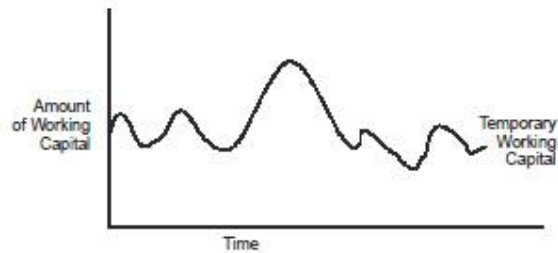


Fig. 10.5 Temporary Working Capital

**Semi Variable Working Capital**

Certain amount of Working Capital is in the field level up to a certain stage and after that it will increase depending upon the change of sales or time.

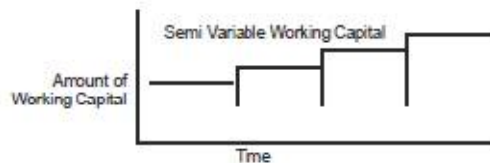


Fig. 10.6 Semi Variable Working Capital

**NEEDS OF WORKING CAPITAL**

Working Capital is an essential part of the business concern. Every business concern must maintain certain amount of Working Capital for their day-to-day requirements and meet the short-term obligations.

Working Capital is needed for the following purposes.

1. Purchase of raw materials and spares: The basic part of manufacturing process is, raw materials. It should purchase frequently according to the needs of the business concern. Hence, every business concern maintains certain amount as Working Capital to purchase raw materials, components, spares, etc.
  2. Payment of wages and salary: The next part of Working Capital is payment of wages and salaries to labour and employees. Periodical payment facilities make employees perfect in their work. So a business concern maintains adequate the amount of working capital to make the payment of wages and salaries.
  3. Day-to-day expenses: A business concern has to meet various expenditures regarding the operations at daily basis like fuel, power, office expenses, etc.
  4. Provide credit obligations: A business concern responsible to provide credit facilities to the customer and meet the short-term obligation. So the concern must provide adequate Working Capital.
- Working Capital Position/ Balanced Working Capital Position.

A business concern must maintain a sound Working Capital position to improve the efficiency of business operation and efficient management of finance. Both excessive and inadequate Working Capital lead to some problems in the business concern.

A. Causes and effects of excessive working capital.

(i) Excessive Working Capital leads to unnecessary accumulation of raw materials, components and spares.

(ii) Excessive Working Capital results in locking up of excess Working Capital.

(iii) It creates bad debts, reduces collection periods, etc.

(iv) It leads to reduce the profits.

B. Causes and effects of inadequate working capital

(i) Inadequate working capital cannot buy its requirements in bulk order.

(ii) It becomes difficult to implement operating plans and activate the firm's profit target.

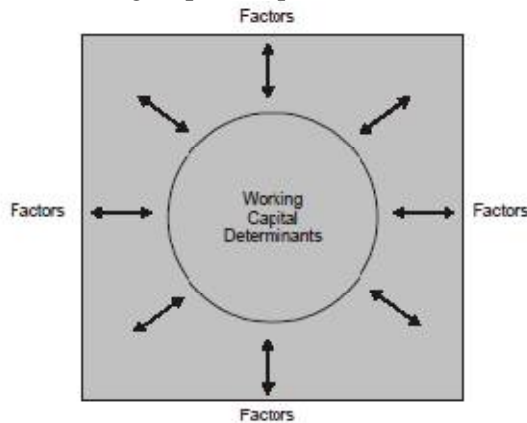
(iii) It becomes impossible to utilize efficiently the fixed assets.

(iv) The rate of return on investments also falls with the shortage of Working Capital.

(v) It reduces the overall operation of the business.

**FACTORS DETERMINING WORKING CAPITAL REQUIREMENTS**

Working Capital requirements depends upon various factors. There are no set of rules or formula to determine the Working Capital needs of the business concern. The following are the major factors which are determining the Working Capital requirements.



**Factors Determining Working Capital Requirements**

1. Nature of business: Working Capital of the business concerns largely depend upon the nature of the business. If the business concerns follow rigid credit policy and sell goods only for cash, they can maintain lesser amount of Working Capital. A transport company maintains lesser amount of Working Capital while a construction company maintains larger amount of Working Capital.

2. Production cycle: Amount of Working Capital depends upon the length of the production cycle. If the production cycle length is small, they need to maintain lesser amount of Working Capital. If it is not, they have to maintain large amount of Working Capital.

3. Business cycle: Business fluctuations lead to cyclical and seasonal changes in the business condition and it will affect the requirements of the Working Capital. In the booming conditions, the Working Capital requirement is larger and in the depression condition, requirement of Working Capital will reduce. Better business results lead to increase the Working Capital requirements.

4. Production policy: It is also one of the factors which affects the Working Capital requirement of the business concern. If the company maintains the continues production policy, there is a need of regular Working Capital. If the production policy of the company depends upon the situation or conditions, Working Capital requirement will depend upon the conditions laid down by the company.

5. Credit policy: Credit policy of sales and purchase also affect the Working Capital requirements of the business concern. If the company maintains liberal credit policy to collect the payments from its customers, they have to maintain more Working Capital. If the company pays the dues on the last date it will create the cash maintenance in hand and bank.

6. Growth and expansion: During the growth and expansion of the business concern, Working Capital requirements are higher, because it needs some additional Working Capital and incurs some extra expenses at the initial stages.

7. Availability of raw materials: Major part of the Working Capital requirements are largely depend on the availability of raw materials. Raw materials are the basic components of the production process. If the raw material is not readily available, it leads to production stoppage. So, the concern must maintain adequate raw material; for that purpose, they have to spend some amount of Working Capital.

8. Earning capacity: If the business concern consists of high level of earning capacity, they can generate more Working Capital, with the help of cash from operation. Earning capacity is also one of the factors which determines the Working Capital requirements of the business concern.

## **COMPUTATION (OR ESTIMATION) OF WORKING CAPITAL**

Working Capital requirement depends upon number of factors, which are already discussed in the previous parts. Now the discussion is on how to calculate the Working Capital needs of the business concern. It may also depend upon various factors but some of the common methods are used to estimate the Working Capital.

**A. Estimation of components of working capital method** Working capital consists of various current assets and current liabilities. Hence, we have to estimate how much current assets as inventories required and how much cash required to meet the short term obligations.

Finance Manager first estimates the assets and required Working Capital for a particular period.

**B. Percent of sales method** Based on the past experience between Sales and Working Capital requirements, a ratio can be determined for estimating the Working Capital requirement in future. It is the simple and tradition method to estimate the Working Capital requirements.

Under this method, first we have to find out the sales to Working Capital ratio and based on that we have to estimate Working Capital requirements. This method also expresses the relationship between the Sales and Working Capital.

WORKING CAPITAL

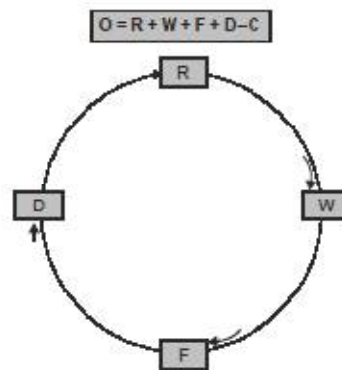
Notes

**C. Operating cycle** Working Capital requirements depend upon the operating cycle of the business. The operating cycle begins with the acquisition of raw material and ends with the collection of receivables.

Working Capital 157

Operating cycle consists of the following important stages:

1. Raw Material and Storage Stage, (R)
2. Work in Process Stage, (W)
3. Finished Goods Stage, (F)
4. Debtors Collection Stage, (D)
5. Creditors Payment Period Stage. (C)



### Working Capital Cycle

Each component of the operating cycle can be calculated by the following formula:

$$R = \frac{\text{Average Stock of Raw Material}}{\text{Average Raw Material Consumption Per Day}}$$

$$W = \frac{\text{Average Work in Process Inventory}}{\text{Average Cost of Production Per Day}}$$

$$F = \frac{\text{Average Finished Stock Inventory}}{\text{Average Cost of Goods Sold Per Day}}$$

$$D = \frac{\text{Average Book Debts}}{\text{Average Credit Sales Per Day}}$$

$$C = \frac{\text{Average Trade Creditors}}{\text{Average Credit Purchase Per Day}}$$

## WORKING CAPITAL MANAGEMENT POLICY

Working Capital Management formulates policies to manage and handle efficiently; for that purpose, the management established three policies based on the relationship between Sales and Working Capital.

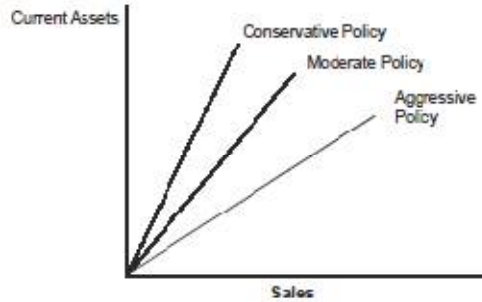
1. Conservative Working Capital Policy.
2. Moderate Working Capital Policy.
3. Aggressive Working Capital Policy.

1. Conservative working capital policy: Conservative Working Capital Policy refers to minimize risk by maintaining a higher level of Working

Capital. This type of Working Capital Policy is suitable to meet the seasonal fluctuation of the manufacturing operation.

2. Moderate working capital policy: Moderate Working Capital Policy refers to the moderate level of Working Capital maintenance according to moderate level of sales. It means one percent of change in Working Capital, which is Working Capital is equal to sales.

3. Aggressive working capital policy: Aggressive Working Capital Policy is one of the high risky and profitability policies which maintains low level of Aggressive Working Capital against the high level of sales, in the business concern during a particular period.



**Working Capital Policies**

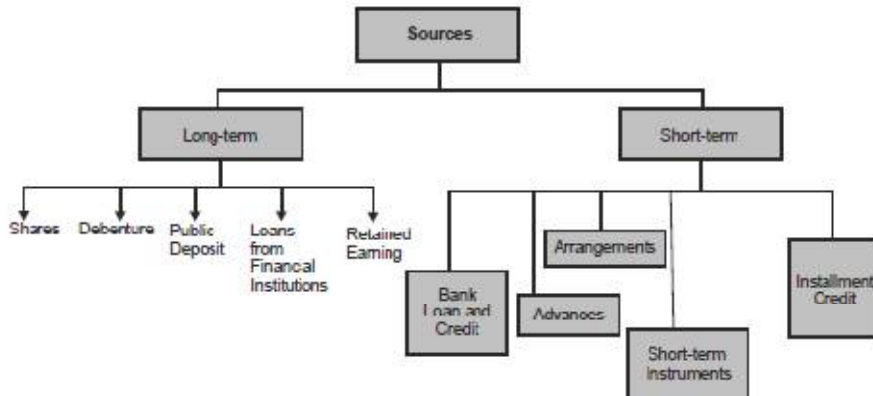
**SOURCES OF WORKING CAPITAL**

Working Capital requirement can be normalized from short-term and long-term sources.

Each source will have both merits and limitations up to certain extent.

Uses of Working

Capital may be differing from stage to stage.



The above sources are also classified into internal sources and external sources of working capital.

Internal sources such as:

- Retained Earnings
- Reserve and Surplus
- Depreciation Funds etc.

**External sources such as:**

- Debentures and Public Deposits
- Loans from Banks and Financial Institutions
- Advances and Credit
- Financial arrangements like Factoring, etc.

### Determining the Finance Mix

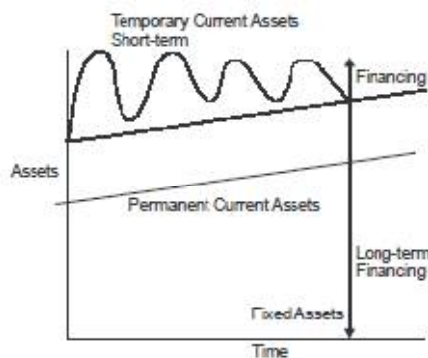
Determining the finance mix is an important part of working capital management. Under this decision, the relationship among risk, return and liquidity are measured and also which type of financing is suitable to meet the Working Capital requirements of the business concern. There are three basic approaches for determining an appropriate Working Capital finance mix.

1. Hedging or matching approach
2. Conservative approach
3. Aggressive approach.

### Hedging Approach

Hedging approach is also known as matching approach. Under this approach, the business concern can adopt a financial plan which matches the expected life of assets with the expected life of the sources of funds raised to finance assets.

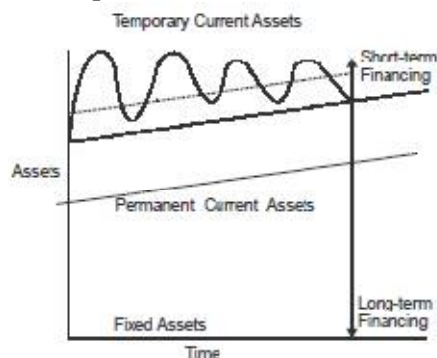
When the business follows matching approach, long-term finance shall be used to fixed assets and permanent current assets and short-term financing to finance temporary or variable assets.



### Financing under Matching Approach

#### Conservative Approach

Under this approach, the entire estimated finance in current assets should be financed from long-term sources and the short-term sources should be used only for emergency requirements. This approach is called as “Low Profit – Low Risk” concept.



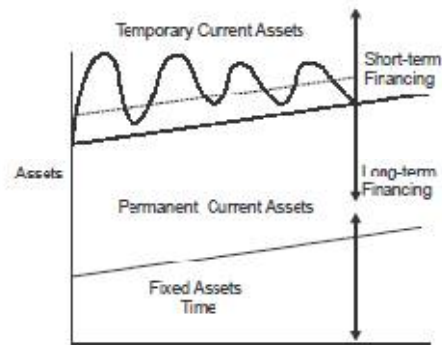
#### Conservative Approach

#### Aggressive Approach

Under this approach, the entire estimated requirement of current assets should be financed from short-term sources and even a part of fixed

*Financial Management* assets financing be financed from short- term sources. This approach makes the finance mix more risky, less costly and more profitable.

Notes



**Aggressive Approach**

## **WORKING CAPITAL AND BANKING COMMITTEE**

Banking finance to working capital requirements is a very important part of the business concern. Banks provide finance to business concerns to meet the requirements. To regulate and control bank finance, RBI constitute committees. These committees submit reports with findings and recommendations to formulate the finance policy of the banks. The major committee and the recommendations are as follows:

### **Committee Year Major Recommendations**

DEHEJIA 1969 Appraisal of credit applications received by banks for granting loan. TANDON 1975 Banks must carry out the realize appraisal for granting loan Fixation of norms for bank lending to industry. CHORE 1980 No bifurcation of cash credit accounts separate limits for peak level and non peak level requirements. MARATHE 1984 Second method of lending to industry, introduction of fast track concept.

KANNAN 1997 Regular conduct with the borrowers, periodical monitoring the credit disposition.

### **REVIEW QUESTIONS**

1. What is working capital? Define it.
2. Discuss the concept of working capital?
3. What are the types of working capital.
4. Explain the needs of working capital.
5. Critically explain the factors affecting the requirement of working capital.
6. Explain the working capital management policy.

### **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth



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# UNIT-11 WORKING CAPITAL MANAGEMENT

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## CONTENTS

- ❖ Introduction
- ❖ Inventory Management
- ❖ Techniques Based on The Classification of Inventories
- ❖ Techniques on The Basis of Records
- ❖ Cash Management
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## INTRODUCTION

Management of Working Capital is also an important part of financial manager. The main objective of the Working Capital Management is managing the Current Asset and Current Liabilities effectively and maintaining adequate amount of both Current Asset and Current Liabilities. Simply it is called Administration of Current Asset and Current Liabilities of the business concern.

Management of key components of working capital like cash, inventories and receivables assumes paramount importance due to the fact the major portion of working capital gets blocked in these assets.

### Meaning

Working capital management is an act of planning, organizing and controlling the components of working capital like cash, bank balance inventory, receivables, payables, overdraft and short-term loans.

### Definition

According to Smith K.V, “Working capital management is concerned with the problems that arise in attempting to manage the current asset, current liabilities and the interrelationship that exist between them”.

According to Weston and Brigham, “Working capital generally stands for excess of current assets over current liabilities. Working capital management therefore refers to all aspects of the administration of both current assets and current liabilities”.

## INVENTORY MANAGEMENT

### Introduction

Inventories constitute the most significant part of current assets of the business concern. It is also essential for smooth running of the business activities.

A proper planning of purchasing of raw material, handling, storing and recording is to be considered as a part of inventory management. Inventory management means, management of raw materials and related items. Inventory management considers what to purchase, how to purchase, how much to purchase, from where to purchase, where to store and when to use for production etc.

The dictionary meaning of the inventory is stock of goods or a list of goods. In accounting language, inventory means stock of finished goods. In a manufacturing point of view, inventory includes, raw material, work in process, stores, etc.

**Kinds of Inventories**

Inventories can be classified into five major categories.

**A. Raw Material**

It is basic and important part of inventories. These are goods which have not yet been committed to production in a manufacturing business concern.

**B. Work in Progress**

These include those materials which have been committed to production process but have not yet been completed.

**C. Consumables**

These are the materials which are needed to smooth running of the manufacturing process.

**D. Finished Goods**

These are the final output of the production process of the business concern. It is ready for consumers.

**E. Spares**

It is also a part of inventories, which includes small spares and parts.

**Objectives of Inventory Management**

Inventories occupy 30–80% of the total current assets of the business concern. It is also very essential part not only in the field of Financial Management but also it is closely associated with production management. Hence, in any working capital decision regarding the inventories, it will affect both financial and production function of the concern. Hence, efficient management of inventories is an essential part of any kind of manufacturing process concern.

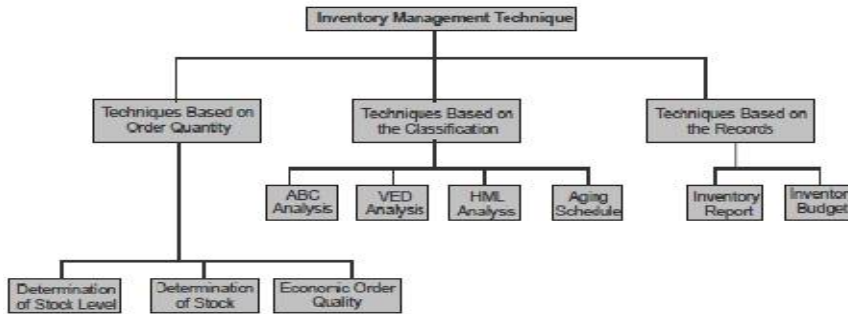
The major objectives of the inventory management are as follows:

- To efficient and smooth production process.
- To maintain optimum inventory to maximize the profitability.
- To meet the seasonal demand of the products.
- To avoid price increase in future.
- To ensure the level and site of inventories required.
- To plan when to purchase and where to purchase
- To avoid both over stock and under stock of inventory.

**Techniques of Inventory Management**

Inventory management consists of effective control and administration of inventories. Inventory control refers to a system which ensures supply of required quantity and quality of inventories at the required time and at the same time prevent unnecessary investment in inventories. It needs the following important techniques.

Inventory management techniques may be classified into various types:



### Inventory Management Techniques

A. Techniques based on the order quantity of Inventories Order quantity of inventories can be determined with the help of the following techniques:

#### Stock Level

Stock level is the level of stock which is maintained by the business concern at all times. Therefore, the business concern must maintain optimum level of stock to smooth running of the business process. Different level of stock can be determined based on the volume of the stock.

#### Minimum Level

The business concern must maintain minimum level of stock at all times. If the stocks are less than the minimum level, then the work will stop due to shortage of material.

#### Re-order Level

Re-ordering level is fixed between minimum level and maximum level. Re-order level is the level when the business concern makes fresh order at this level.

Re-order level = maximum consumption × maximum Re-order period.

#### Maximum Level

It is the maximum limit of the quantity of inventories, the business concern must maintain. If the quantity exceeds maximum level limit then it will be overstocking.

Maximum level = Re-order level + Re-order quantity  
– (Minimum consumption × Minimum delivery period)

#### Danger Level

It is the level below the minimum level. It leads to stoppage of the production process.

Danger level = Average consumption × Maximum re-order period for emergency purchase

#### Average Stock Level

It is calculated such as,

$$\text{Average stock level} = \text{Minimum stock level} + \frac{1}{2} \text{ of re-order quantity} - \text{maximum level}$$



**Determining the Stock Level**

Financial Management **Lead Time**

Notes

Lead time is the time normally taken in receiving delivery after placing orders with suppliers. The time taken in processing the order and then executing it is known as lead time. Safety Stock Safety stock implies extra inventories that can be drawn down when actual lead time and/ or usage rates are greater than expected. Safety stocks are determined by opportunity cost and carrying cost of inventories. If the business concerns maintain low level of safety stock, it will lead to larger opportunity cost and the larger quantity of safety stock involves higher carrying costs.

**Economic Order Quantity (EOQ)**

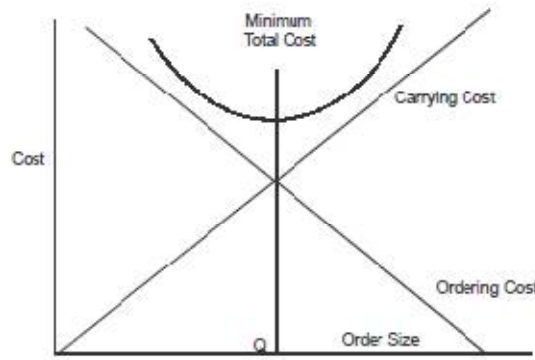
EOQ refers to the level of inventory at which the total cost of inventory comprising ordering cost and carrying cost. Determining an optimum level involves two types of cost such as ordering cost and carrying cost. The EOQ is that inventory level that minimizes the total of ordering of carrying cost.

EOQ can be calculated with the help of the mathematical formula:

$$EOQ = \sqrt{2ab/c}$$

Where,

- a = Annual usage of inventories (units)
- b = Buying cost per order
- c = Carrying cost per unit



**Economic Order Quantity**

**TECHNIQUES BASED ON THE CLASSIFICATION OF INVENTORIES**

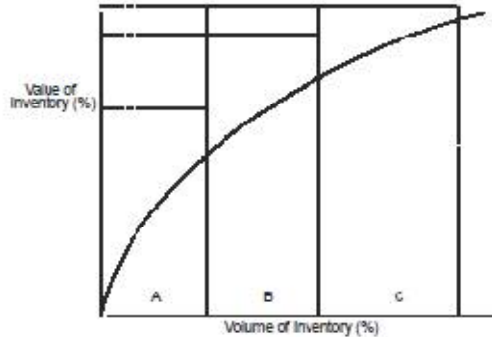
**A-B-C analysis**

It is the inventory management techniques that divide inventory into three categories based on the value and volume of the inventories; 10% of the inventory's item contributes to 70% of value of consumption and this category is known as A category. About 20% of the inventory item contributes about 20% of value of consumption and this category is called category B and 70% of inventory item contributes only 10% of value of consumption and this category is called C category.

*Inventory Breakdown Between Value and Volume*

Category	Volume (%)	Value (%)
A	10	70
B	20	20
C	70	10
Total	100	100

ABC analysis can be explained with the help of the following Graphical presentation.



### ABC Analysis

#### Aging Schedule of Inventories

Inventories are classified according to the period of their holding and also this method helps to identify the movement of the inventories. Hence, it is also called as, FNSD analysis— where,

- F = Fast moving inventories
- N = Normal moving inventories
- S = Slow moving inventories
- D = Dead moving inventories

This analysis is mainly calculated for the purpose of taking disposal decision of the inventories.

#### VED Analysis

This technique is ideally suited for spare parts in the inventory management like ABC analysis. Inventories are classified into three categories on the basis of usage of the inventories.

- V = Vital item of inventories
- E = Essential item of inventories
- D = Desirable item of inventories

#### HML Analysis

Under this analysis, inventories are classified into three categories on the basis of the value of the inventories.

- H = High value of inventories
- M = Medium value of inventories
- L = Low value of inventories

## TECHNIQUES ON THE BASIS OF RECORDS

### A. Inventory budget

It is a kind of functional budget which facilitates the estimated inventory required for the business concern during a particular period. This budget is prepared based on the past experience.

### B. Inventory reports

Preparation of periodical inventory reports provides information regarding the order level, quantity to be procured and all other

information related to inventories. On the basis of these reports, Management takes necessary decision regarding inventory control and Management in the business concern.

### **Valuation of Inventories**

Inventories are valued at different methods depending upon the situation and nature of manufacturing process. Some of the major methods of inventory valuation are mentioned as follows:

1. First in First Out Method (FIFO)
2. Last in First Out Method (LIFO)
3. Highest in First Out Method (HIFO)
4. Nearest in First Out Method (NIFO)
5. Average Price Method
6. Base Stock Method
7. Standard Price Method
8. Market Price Method

## **CASH MANAGEMENT**

Business concern needs cash to make payments for acquisition of resources and services for the normal conduct of business. Cash is one of the important and key parts of the current assets.

Cash is the money which a business concern can disburse immediately without any restriction. The term cash includes coins, currency, cheques held by the business concern and balance in its bank accounts. Management of cash consists of cash inflow and outflows, cash flow within the concern and cash balance held by the concern etc.

### **Motives for Holding Cash**

#### **1. Transaction motive**

It is a motive for holding cash or near cash to meet routine cash requirements to finance transaction in the normal course of business. Cash is needed to make purchases of raw materials, pay expenses, taxes, dividends etc.

#### **2. Precautionary motive**

It is the motive for holding cash or near cash as a cushion to meet unexpected contingencies. Cash is needed to meet the unexpected situation like, floods strikes etc.

#### **(A) First in First out Method FIFO Method**

#### **3. Speculative motive**

It is the motive for holding cash to quickly take advantage of opportunities typically outside the normal course of business. Certain amount of cash is needed to meet an opportunity to purchase raw materials at a reduced price or make purchase at favorable prices.

#### **4. Compensating motive**

It is a motive for holding cash to compensate banks for providing certain services or loans. Banks provide variety of services to the business concern, such as clearance of cheque, transfer of funds etc.

### **Cash Management Techniques**

Managing cash flow constitutes two important parts:

- A. Speedy Cash Collections.
- B. Slowing Disbursements.

### **Speedy Cash Collections**

Business concern must concentrate in the field of Speedy Cash Collections from customers. For that, the concern prepares systematic plan and refined techniques. These techniques aim at, the customer who should be encouraged to pay as quickly as possible and the payment from customer without delay. Speedy Cash Collection business concern applies some of the important techniques as follows:

#### **Prompt Payment by Customers**

Business concern should encourage the customer to pay promptly with the help of offering discounts, special offer etc. It helps to reduce the delaying payment of customers and the firm can avoid delays from the customers. The firms may use some of the techniques for prompt payments like billing devices, self address cover with stamp etc.

#### **Early Conversion of Payments into Cash**

Business concern should take careful action regarding the quick conversion of the payment into cash. For this purpose, the firms may use some of the techniques like postal float, processing float, bank float and deposit float.

#### **Concentration Banking**

It is a collection procedure in which payments are made to regionally dispersed collection centres, and deposited in local banks for quick clearing. It is a system of decentralized billing and multiple collection points.

#### **Lock Box System**

It is a collection procedure in which payers send their payment or cheques to a nearby post box that is cleared by the firm's bank. Several times that the bank deposit the cheque Working Capital in the firms account. Under the lock box system, business concerns hire a post office lock box at important collection centers where the customers remit payments. The local banks are authorized to open the box and pick up the remittances received from the customers. As a result, there is some extra savings in mailing time compared to concentration bank.

#### **Slowing Disbursement**

An effective cash management is not only in the part of speedy collection of its cash and receivables but also it should concentrate to slowing their disbursement of cash to the customers or suppliers. Slowing disbursement of cash is not the meaning of delaying the payment or avoiding the payment. Slowing disbursement of cash is possible with the help of the following methods:

##### **1. Avoiding the early payment of cash**

The firm should pay its payable only on the last day of the payment. If the firm avoids early payment of cash, the firm can retain the cash with it and that can be used for other purpose.

##### **2. Centralised disbursement system**

Decentralized collection system will provide the speedy cash collections. Hence centralized disbursement of cash system takes time for collection from our accounts as well as we can pay on the date.

#### **Cash Management Models**

Cash management models analyse methods which provide certain framework as to how the cash management is conducted in the firm.

Cash management models are the development of the theoretical concepts into analytical approaches with the mathematical applications. There are three cash management models which are very popular in the field of finance.

### 1. Baumol model

The basic objective of the Baumol model is to determine the minimum cost amount of cash conversion and the lost opportunity cost.

It is a model that provides for cost efficient transactional balances and assumes that the demand for cash can be predicated with certainty and determines the optimal conversion size. Total conversion cost per period can be calculated with the help of the following formula:

$$t = \frac{Tb}{C}$$

where,

T = Total transaction cash needs for the period

b = Cost per conversion

C = Value of marketable securities

Opportunity cost can be calculated with the help of the following formula;

$$i = \frac{C}{2}$$

where,

i = interest rate earned

C/2 = Average cash balance

Optimal cash conversion can be calculated with the help of the following formula;

$$C = \sqrt{\frac{2bT}{i}}$$

where,

C = Optimal conversion amount

b = Cost of conversion into cash per lot or transaction

T = Projected cash requirement

i = interest rate earned

### 2. Miller-Orr model

This model was suggested by Miller Orr. This model is to determine the optimum cash balance level which minimises the cost of management of cash. Miller-Orr Model can be calculated with the help of the following formula;

$$C = \frac{bE(N)}{t} + iE(M)$$

where,

C = Total cost of cash management

b = fixed cost per conversion

E(M) = expected average daily cash balance

E(N) = expected number of conversion

t = Number of days in the period

i = lost opportunity cost

### 3. Orgler's model

Orgler model provides for integration of cash management with production and other aspects of the business concern. Multiple linear programming is used to determine the optimal cash management.



Orgler's model is formulated, based on the set of objectives of the firm and specifying the set of constraints of the firm.

## **RECEIVABLE MANAGEMENT**

The term receivable is defined as debt owed to the concern by customers arising from sale of goods or services in the ordinary course of business. Receivables are also one of the major parts of the current assets of the business concerns. It arises only due to credit sales to customers, hence, it is also known as Account Receivables or Bills Receivables. Management of account receivable is defined as the process of making decision resulting to the investment of funds in these assets which will result in maximizing the overall return on the investment of the firm. The objective of receivable management is to promote sales and profit until that point is reached where the return on investment in further funding receivables is less than the cost of funds raised to finance that additional credit.

The costs associated with the extension of credit and accounts receivables are identified as follows:

- A. Collection Cost
- B. Capital Cost
- C. Administrative Cost
- D. Default Cost.

### **Collection Cost**

This cost incurred in collecting the receivables from the customers to whom credit sales have been made.

### **Capital Cost**

This is the cost on the use of additional capital to support credit sales which alternatively could have been employed elsewhere.

### **Administrative Cost**

This is an additional administrative cost for maintaining account receivable in the form of salaries to the staff kept for maintaining accounting records relating to customers, cost of investigation etc.

### **Default Cost**

Default costs are the over dues that cannot be recovered. Business concern may not be able to recover the over dues because of the inability of the customers.

## **Factors Considering the Receivable Size**

Receivables size of the business concern depends upon various factors. Some of the important factors are as follows:

### **1. Sales Level**

Sales level is one of the important factors which determines the size of receivable of the firm. If the firm wants to increase the sales level, they have to liberalise their credit policy and terms and conditions. When the firms maintain more sales, there will be a possibility of large size of receivable.

### **2. Credit Policy**

Credit policy is the determination of credit standards and analysis. It may vary from firm to firm or even some times product to product in the same industry. Liberal credit policy leads to increase the sales volume and also increases the size of receivable. Stringent credit policy reduces the size of the receivable.

### **3. Credit Terms**

Credit terms specify the repayment terms required of credit receivables, depend upon the credit terms, size of the receivables may increase or decrease. Hence, credit term is one of the factors which affects the size of receivable.

### **4. Credit Period**

It is the time for which trade credit is extended to customer in the case of credit sales. Normally it is expressed in terms of 'Net days'.

### **5. Cash Discount**

Cash discount is the incentive to the customers to make early payment of the due date. A special discount will be provided to the customer for his payment before the due date.

### **6. Management of Receivable**

It is also one of the factors which affects the size of receivable in the firm. When the management involves systematic approaches to the receivable, the firm can reduce the size of receivable.

## **REVIEW QUESTIONS**

1. Discuss the objectives of inventories.
2. Explain various inventory control techniques.
3. What are the techniques of classification of inventory?
4. Explain the motives of holding cash.
5. Discuss the cash management techniques.
6. What is receivable management? Explain it.

## **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT- 12      SPECIAL FINANCING

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SPECIAL FINANCING

Notes

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- ❖ Introduction
- ❖ Lease Financing
- ❖ Venture Capital
- ❖ Factoring
- ❖ Foreign Direct Investment
- ❖ Merchant Banking
- ❖ Functions of Merchant Banking
- ❖ Credit Rating
- ❖ Mutual Funds
- ❖ Review Questions
- ❖ Further Readings

## INTRODUCTION

This chapter deals with some of the important special finance such as leasing, venture capital, foreign direct investment etc. and also this chapter covers the advantages and disadvantages, application in the present position and institution, which are providing. These finance to the business concern. This part is divided into the following major parts such as:

1. Lease Financing
2. Venture Capital
3. Factoring
4. Foreign Direct Investment
5. Merchant Banking
6. Credit Rating
7. Mutual Funds

## LEASE FINANCING

Lease financing is one of the popular and common methods of assets based finance, which is the alternative to the loan finance. Lease is a contract. A contract under which one party, the leaser (owner) of an asset agrees to grant the use of that asset to another leaser, in exchange for periodic rental payments. Lease is contractual agreement between the owner of the assets and user of the assets for a specific period by a periodical rent.

### Definition of Leasing

Lease may be defined as a contractual arrangement in which a party owning an asset provides the asset for use to another, the right to use the assets to the user over a certain period of time, for consideration in form of periodic payment, with or without a further payment.

According to the equipment leasing association of UK definition, leasing is a contract between the lesser and the leaser for hire of a specific asset selected from a manufacturers or vender of such assets by the lessee. The leaser retains the ownership of the asset. The lessee pass possession and uses the asset on payment for the specified period.

*Financial Management* **Elements of Leasing**

*Notes*

Leasing is one of the important and popular parts of asset based finance. It consists of the following essential elements. One should understand these elements before they are going to study on leasing.

1. Parties: These are essentially two parties to a contract of lease financing, namely the owner and user of the assets.
2. Leaser: Leaser is the owner of the assets that are being leased. Leasers may be individual partnership, joint stock companies, corporation or financial institutions.
3. Lessee: Lessee is the receiver of the service of the assets under a lease contract. Lease assets may be firms or companies.
4. Lease broker: Lease broker is an agent in between the leaser (owner) and lessee. He acts as an intermediary in arranging the lease deals. Merchant banking divisions of foreign banks, subsidiaries Indian banking and private foreign banks are acting as lease brokers.
5. Lease assets: The lease assets may be plant, machinery, equipments, land, automobile, factory, building etc.

**Term of Lease**

The term of lease is the period for which the agreement of lease remains for operations. The lease term may be fixed in the agreement or up to the expiry of the assets.

**Lease Rental**

The consideration that the lessee pays to the leaser for lease transaction is the rental.

**Type of Leasing**

Leasing, as a financing concept, is an arrangement between two parties for a specified period. Leasing may be classified into different types according to the nature of the agreement. The following are the major types of leasing as follows:

(A) Lease based on the term of lease

1. Finance Lease
2. Operating Lease

(B) Lease based on the method of lease

1. Sale and lease back
2. Direct lease

Special Financing 201

(C) Lease based in the parties involved

1. Single investor lease
2. Leveraged lease

(D) Lease based in the area

1. Domestic lease
2. International lease

**1. Financing lease**

Financing lease is also called as full payout lease. It is one of the long-term leases and cannot be cancelable before the expiry of the agreement. It means a lease for terms that approach the economic life of the asset, the total payments over the term of the lease are greater than the lessor's initial cost of the leased asset. For example: Hiring a factory, or building for a long period. It includes all expenditures related to maintenance.

**2. Operating lease**

Operating lease is also called as service lease. Operating lease is one of the short-term and cancelable leases. It means a lease for a time shorter than the economic life of the assets, generally the payments over the term of the lease are less than the lessor's initial cost of the leased asset. For example : Hiring a car for a particular travel. It includes all expenses such as driver salary, maintenance, fuels, repairs etc.

**3. Sale and lease back**

Sale and lease back is a lease under which the lessee sells an asset for cash to a prospective lessor and then leases back the same asset, making fixed periodic payments for its use. It may be in the form of operating leasing or financial leasing. It is one of the convenient methods of leasing which facilitates the financial liquidity of the company.

**4. Direct lease**

When the lease belongs to the owner of the assets and users of the assets with direct relationship it is called as direct lease. Direct lease may be Dipartite lease (two parties in the lease) or Tripartite lease. (Three parties in the lease)

**5. Single investor lease**

When the lease belongs to only two parties namely lessor and it is called as single investor lease. It consists of only one investor (owner). Normally all types of leasing such as operating, financial, sale and lease back and direct lease are coming under this categories.

**6. Leveraged lease**

This type of lease is used to acquire the high level capital cost of assets and equipments. Under this lease, there are three parties involved; the lessor, the lender and the lessee. Under the leverage lease, the lessor acts as equity participant supplying a fraction of the total cost of the assets while the lender supplies the major part.

**7. Domestic lease**

In the lease transaction, if both the parties belong to the domicile of the same country it is called as domestic leasing.

**8. International lease**

If the lease transaction and the leasing parties belong to the domicile of different countries, it is called as international leasing.

**Advantages of Leasing**

Leasing finance is one of the modern sources of finance, which plays a major role in the part of the asset based financing of the company. It has the following important advantages.

**1. Financing of fixed asset**

Lease finance helps to mobilize finance for large investment in land and building, plant and machinery and other fixed equipments, which are used in the business concern.

**2. Assets based finance**

Leasing provides finance facilities to procure assets and equipments for the company. Hence, it plays a important and additional source of finance.

**3. Convenient**

Leasing finance is convenient to the use of fixed assets without purchasing. This type of finance is suitable where the company uses the

assets only for a particular period or particular purpose. The company need not spend or invest huge amount for the acquiring of the assets or fixed equipments.

**4. Low rate of interest**

Lease rent is fixed by the lease agreement and it is based on the assets which are used by the business concern. Lease rent may be less when compared to the rate of interest payable to the fixed interest leasing finance like debt or loan finance.

**5. Simplicity**

Lease formalities and arrangement of lease finance facilities are very simple and easy. If the leaser agrees to use the assets or fixed equipments by the lessee, the leasing arrangement is mostly finished.

**6. Transaction cost**

When the company mobilizes finance through debt or equity, they have to pay some amount as transaction cost. But in case of leasing finance, transaction cost or floating cost is very less when compared to other sources of finance.

**7. Reduce risk**

Leasing finance reduces the financial risk of the lessee. Hence, he need not buy the assets and if there is any price change in the assets, it will not affect the lessee.

**8. Better alternative**

Now a days, most of the commercial banks and financial institutions are providing lease finance to the industrial concern. Some of the them have specialised lease finance company. They are established to provide faster and speedy arrangement of lease finance.

**Leasing Finance Institutions in India**

Presently, leasing finance becomes popular and effective financial sources for most of the business concerns. With the importance of lease finance, now a days banks and financial institutions provide leasing financial assistance to the industrial concern. The following institutions are famous and widely providing lease finance in India:

Leasing financial institutions in India may be classified into the following groups.

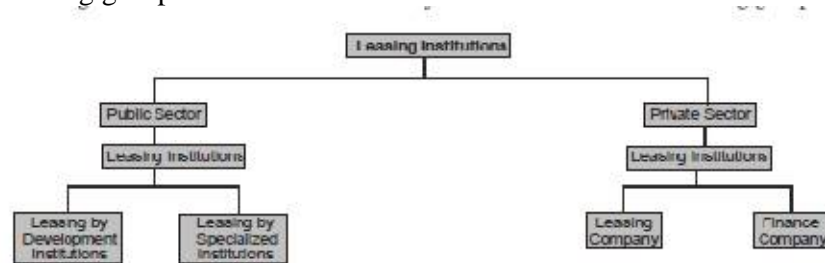


Fig. 12.1 Leasing Institutions

**Leasing by Development Institutions**

All India development institutions are providing leasing finance assistance to industrial concerns. Some of the public sector leasing finance company in India are follows:

- Industrial Credit & Investment Corporation of India (ICICI)
- Industrial Finance Corporation of India (IFCI)
- Industrial Investment Bank of India (IIBI)

- Small Industries Development Corporation (SIDC)
- State Industrial Investment Corporation (SIIC)

### **Leasing by Specialized Institutions**

Specialized financial institutions also provide lease finance to the industrial concern. Some of the lease finance providing institutions are as follows:

- Life Insurance Corporation of India (LIC)
- General Insurance Corporation of India (GIC)
- Unit Trust of India (UTI)
- Housing Development Finance Corporation of India (HDFC)

### **Private Sector Leasing Company**

Private sector leasing companies also provide financial assistance to the industrial concerns.

The following are the example of the private sector leasing companies in India:

- Express Leasing Limited
- 20th Century Leasing Corporation Ltd.
- First Leasing Company of India
- Mazda Leasing Limited
- Grover Leasing Limited

### **Private Sector Financial Company**

Private sector financial companies also involve in the field of leasing finance. The following are the example of the private sector finance companies:

- Cholamandal Investment and Finance Company Ltd.
- Dcl Finance Limited
- Sundaram Finance Limited
- Anagram Finance Limited
- Nagarjuna Finance Limited.

## **VENTURE CAPITAL**

### **Introduction**

Venture Capital finance is a new type of financial intermediary which has emerged in India during 1980s. It is a long-term financial assistance provided to projects, which are established to introduce new products, inventions, idea and technology. Venture capital finance is more suitable to risky oriented business which consists of huge investment and provides results after 5 to 7 year.

### **Meaning of Venture Capital**

The term Venture Capital fund is usually used to denote Mutual funds or Institutional investors. They provide equity finance or risk capital to little known, unregistered, highly risky, young and small private business, especially in technology oriented and knowledge intensive business. Venture Capital termed as long-term funds in equity or semi-equity form to finance hi-tech projects involving high risk and yet having strong potential of high profitability.

### **Definition of Venture Capital**

According to Jame Koloski Morris, venture capital is defined as providing seed, start up and first stage financing and also funding expansion of companies that have already demonstrated their business potential but do not yet have access to the public securities market or to

credit oriented institutional funding sources. Venture Capital also provides management in leveraged buyout financing. 1995 finance bill define Venture Capital as long-term equity investment in novel technology based projects with display potential for significant growth and financial return.

**Features of Venture Capital**

Venture Capital consists of the following important features:

- (1) Venture Capital consists of high risk and high return based financing.
- (2) Venture Capital financing is equity and quasi equity financing instruments.
- (3) Venture Capital provides moderate interest bearing instruments.
- (4) Venture Capital reduces the financial burden of the business concern at the initial stage.
- (5) Venture Capital is suitable for risky oriented and high technology based industry. Venture Capital in India ICICI Venture Capital is the first Venture Capital Financing in India. It was started in 1988 by the joint venture of ICICI and UTI.

The UTI launched Venture Capital Unit Scheme (VECAUS-I) to raise finance in 1990. Technology Development and Information Company (TDICI) is another major Venture Capital financing institution in India.

Risk Capital and Technology Finance Corporation Ltd. (RCIFC) provides Venture Capital finance to technology based industries.

ANZ Grindlays Bank has set up India’s first private sector Venture Capital fund. SBI and Canara Bank are also involved in Venture Capital Finance. They provide either equity capital or conditionals loans.

**FACTORING**

Factoring is a service of financial nature involving the conversion of credit bills into cash. Accounts receivables, bills recoverables and other credit dues resulting from credit sales appear, in the books of accounts as book credits. Here the risk of credit, risk of credit worthiness of the debtor and as number of incidental and consequential risks are involved. These risks are taken by the factor which purchase these credit receivables without recourse and collects them when due. These balance-sheet items are replaced by cash received from the factoring agent. Factoring is also called “Invoice Agent” or purchase and discount of all “receivables”. Although these can be with recourse or without recourse, normally the risk is taken by the factoring agent. The discount rate includes the loss of interest, risk of credit and risk of loss of both principal and interest on the amount involved.

**Myths on Factoring**

Myth	Fact
Factoring is nothing but: bill discounting or bill finance	Factoring and bill discounting are two different products tailored for two different markets. Factoring is meant for “Open account sales” and caters largely to a buyer’s market. Bill discounting is normally prevalent in a seller’s market. Factoring unlike bill discounting offers a continuous relationship.
Factoring reduces bankers business	Factoring is not merely financing and includes a package of services like collection and follow-up of each invoice, credit insurance, MIS support etc., and improves the health of bank’s clients, improves cash flow through factoring, increases production cycles and need for more working capital. Factoring essentially aims at replacing high cost market credit and not necessarily reduce bank finance.



Factoring is an high cost borrowing	Comparable to interest rates of banks. (SSI – 13.60% to 16.75% Non SSI 13.60% to 17.25%) Will to offer SBI's FLR selectively)
Factoring service charge is high	Service Charge is 0.1% to 0.3% only whereas in Bills discounting, the collection charge is 0.5% to 0.6%.
Factoring is meant for manufacturing units only	Extended to all sectors namey Manufacturing, Trading and Services.
Factoring limits falls within MBBF/ Assessed Bank finance	Factoring is to be classified as other Current liability as per RBI guidelines and Factoring replaces market credit and notbank borrowings.

### History of the Early Factoring in Roman

Factoring has not been documented as having been used by the Romans. However, the word 'factoring' has a Roman root. It is derived from the Latin verb 'facio' which can be translated as "he who does things". In Roman times this referred to agent of a property owner, i.e., his business manager. Though the root word has nothing to do with the industry, as they attempt to help their clients through their financial problem.

### Factoring in United States

Factoring arose in the United States during 19th century, as direct result of the inability of manufacturers to maintain constant and timely communications with their sales forces in the field. At that time, as the case today, the sales force was paid by communications. If all sales were at the risk of the manufacturer, the salesman had no incentive to exercise prudence in connection with whom to sell to on credit.

On the other hand, the distant manufacturer was not in the position to make the credit risk on sales. The risk of defective or non-conforming merchandise remained with the manufacturer. The credit risk was now separated from disputes as to quality, workmanship and conformity of goods. Soon after, the salesman began to act as independent sales agencies. It was common for them to act for more than one manufacturer. Still later the sales function was separated from the credit function and "Traditional Factoring" as the people know, it had, at that point, developed in the United States.

### Factoring in India

Banks provide generally bill collection and bill discounting and with recourse. They provide working capital finance based on these bills classified by amounts maturity wise. Such bills if accumulated in large quantities will burden the liquidity and solvency position of the company and reduces the credit limits from the banks. It is therefore felt necessary that the company assigns these book debts to a factor for taking them off from the balance sheet. This reduces the workload, increases the solvency and improves the liquidity position of the company.

In 1998 a study group under the chairmanship of C.S. Kalyana Sundram was constituted to examine the feasibility of factoring services in India, their constitution, organizational set up and scope of activities. The group recommended the setting up of specialized agencies or subsidiaries for providing the factoring services in India with a professional expertise in credit assessment, debt collection and management of sales ledger, and other related services. Defaults or delays in collection and repayment can still remain which is the risk to be taken by the factor for a fee. The group has estimated a good potential for this service to the tune of about

Rs. 4000 crores mainly emerging a collection problem, and delays in collection and consequential liquidity problems.

Later the Vaghul Committee report on money market reforms has confirmed the need for factoring services to be developed in India as part of the money market instruments. Many new instruments were already introduced like Participation certificates, Commercial papers, Certificate of deposits etc., but the factoring service has not developed to any significant extent in India.

The Reserve Bank allowed some banks to set up subsidiaries on a zonal basis to take care of the requirements of companies in need of such service. Thus Canara Bank, State Bank of India, Punjab National Bank and a few other banks have been permitted to set up jointly some factor, for Eastern, Western, Northern, and Southern Zones. The progress of the activity did not show any worthwhile dimension, so far.

### **Modus of Operations**

If a company wants to factor its receivables it submits a list of customers, their credit rating, amount involved in maturity and other terms. If the factor scrutinizes the list of buyers and they are in the approved list, the factor gives its decision of the clients and the amounts they may take all receivables on wholesale discounting basis. The factor then takes all the documents in respect of approved list and pays up to 80% to 90% of the amount due less commission to the company which in turn removes these instruments, from base of accounts and shows cash flow as against bills receivables written off. Factoring services rendered the following services:

1. Purchase of book debts and receivables.
2. Administration of sales ledger of the clients.
3. Prepayments of debts partially or fully.
4. Collection of book debts or receivables or with or without documents.
5. Covering the credit risk of the suppliers.
6. Dealing in book debts of customers without recourse.

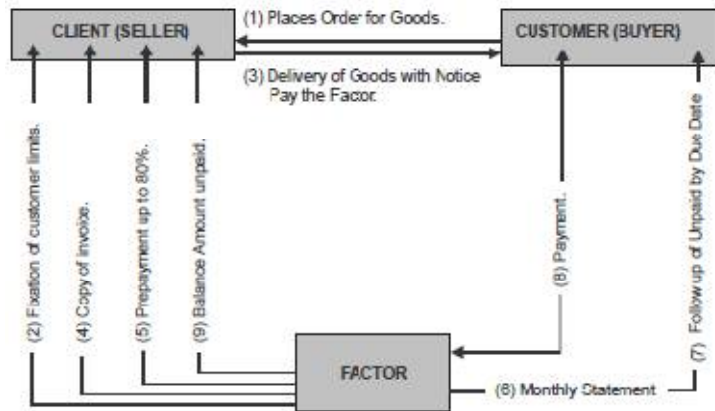
### **Why Factoring?**

Factoring is one of the most important and unavoidable part of the business concern which meets the short-term financial requirement of the concern. Factoring is favorable to the industrial concern for the following reasons.

1. Quickest response—Customer oriented timely decisions and decision on sanction within a week.
2. Low cost.
3. Low service charges (0.1% to 0.3%).
4. Low margin (20% onwards).
5. Instant finance—against each invoice.
6. Generous grace period.
7. Improves cash flow.
8. Substitutes sundry creditors.
9. Increases sales through better terms on sales.
10. More operating cycles and more profits.
11. No upfront recovery of charges.
12. Interest on daily products.
13. Very easy to operate.

14. Flexible credit periods.
15. No penal interest up to grace period.
16. Empowers cash purchase.
17. Improves credit reputation.
18. Follow up of each invoice.
19. Collection of receivables.
20. MIS reports like customers overdue invoices enabling constant evaluation of customers.
21. Outstation payments at nominal rates.

### Mechanics of Factoring



### Mechanics of Factoring

The following are the steps for factoring:

1. The customer places an order with the seller (client).
2. The factor and the seller enter into a factoring agreement about the various terms of factoring.
3. Sale contract is entered into with the buyer and the goods are delivered. The invoice with the notice to pay the factor is sent along with.
4. The copy of invoice covering the above sale to the factor, who maintains the sale ledger.
5. The factor prepays 80% of the invoice value.
6. The monthly statement are sent by the factor to the buyer.
7. Follow up action is initiated if there are any unpaid invoices.
8. The buyer settles the invoices on the expiry of the credit period allowed.
9. The balance 20% less the cost of factoring is paid by the factor to the client.

### Types of factoring

- (1) Notified factoring: Here, the customer is intimated about the assignment of debt to a factor, also directed to make payments to the factor instead of to the firm. This is invariably done by a legend and the invoice has been assigned to or sold to the factor.
- (2) Non-notified or confidential factoring: Under this facility, the supplier/factor arrangement is not declared to the customer unless or until there is a breach of the agreement on the part of the client, or exceptionally, where the factor considers himself to be at risk.

(3) With recourse or without recourse factoring: Under recourse arrangements, the client will carry the credit risk in respect of debts sold to the factor. In without recourse factoring, the bad debts are borne by the factor.

(4) Bank Participation Factoring: The client creates a floating charge on the factoring reserves in favour of banks and borrow against these reserves.

(5) Export Factoring: There is usually the presence of two factors: an export factor and an import factor. The former buys the invoices of a client exporter and assumes the risk in case of default by the overseas customers. Because of distance, different condition or lack of information, the export factor usually forms out to an agent, known as the import factor, the administrative job of servicing the debts owed to its exporting clients.

## **FOREIGN DIRECT INVESTMENT**

According to the definition given by IMF, FDI is the category of international investment that reflects the objective of a resident entity in one economy (direct investor or parent enterprise) by obtaining a 'lasting interest' and control in an enterprise resident in another economy (direct investment enterprise).

The IMF definition of FDI includes as many as twelve different elements, namely: equity capital, reinvested earnings of foreign companies, inter-company debt transactions including short-term and long-term loans, overseas commercial borrowings (financial leasing, trade credits, grants, bonds), non cash acquisition of equity, investment made by foreign vantage capital investors, earning data of indirectly held FDI enterprises, control premium, non-competition fee and so on.

### **FDI in India**

FDI is permitted as under the following form of investments:

- Through financial collaborations;
- Through joint ventures and technical collaborations;
- Through capital markets Via Euro Uses.
- Through Private Placements or Preferential Allotments

1. The government has reviewed the guidelines pertaining to foreign/technical collaborations under automatic route for foreign financial/technical collaborations with previous ventures/tie-ups in India as per Press Note No. 18 (1998), it has been decided that new proposals for foreign investment/technical collaborations would henceforth be allowed under the automatic route, subject to sectoral policies as per the following guidelines.

(a) Prior approval of the government would be required only in cases where the foreign investor has an existing joint venture for technology transfer/ trade mark agreement in the 'same' field.

(b) Even in the above mentioned cases, the approval of the government would not be required in respect of the following:

(1) Investments to be made by venture capital funds registered with SEBI.

(2) Where the existing joint venture investments by either of the parties is less than 3%; or

(3) Where the existing, venture/collaboration is defunct or sick.

(c) In so far as joint venture to be ordered after the date of dated January, 12, 2005 are concerned, the joint venture agreement may embody a 'conflict of interest' clause to safeguard the interest of joint venture partners in the event of one of the partners desiring to set up another joint venture or a wholly owned subsidiary in the 'same' field of economic activity.

2. Increase in the FDI limits in Air Transport Services (Domestic Airlines) up to 49% through automatic route and up to 100% by Non-resident Indians (RRIs) through automatic routes (No direct or indirect equity participation by foreign airlines is allowed).

3. Foreign investment in the banking sector has been further liberalized by raising, FDI limit in private sector books to 74% under the automatic route including, investment by FIIs.

4. FDI in telecom has been raised to 74% subject to certain security measures. From August 1991 to August 2004, 926 proposals of FDI of Rs. 41,368 crore were approved. The actual FDI inflow of approximately Rs. 5,763 crore between January 2001 and August 2004 alone was about 56% of the total FDI flow in telecom since its inception in 1991. In terms of approval of FDI, the telecom sector is the second largest, after power and oil references.

5. FDI in construction sector has been opened. Still some more sectors vis-à-vis retail mining and pension are under the consideration of the government.

6. A part of FDI comes from NRIs, to oversee the difficulties faced by NRIs government has set up a separate NRI Ministry for facilitating hassle free investment procedure and clearances.

#### A Comparative Study Between India and China

Country	FDI Inflows (\$bn)												
India	0.08	0.24	0.54	0.97	2.15	2.53	3.35	2.84	2.17	2.32	3.40	3.45	4.27
China	4.32	16.16	27.52	33.79	36.85	40.18	44.24	45.46	40.2	40.72	46.88	52.74	53.51
World FDI	1581	168	208	226	332	338	473	691	1087	1388	818	676	560
*	2.22	6.67	13.23	14.98	10.80	11.90	9.35	6.58	3.71	2.93	5.73	7.77	9.58
**	6.06	0.14	0.26	0.43	0.65	0.75	0.71	0.38	0.20	0.17	1.42	0.51	0.76

\* FDI in China as a % of World FDI.

\*\* FDI in India as a % of World FDI.

Source : UNCTAD, World Investment Report, Various Issues (1991-2004).

#### Foreign Institutional Investors (FIIs)

The Union Government allowed Foreign Institutional Investors to enter both the primary and secondary markets in India under liberalized policy resume. The large inflow and outflow of capital by FIIs affect the sensx movements. A certain degree of front running by the traders in anticipation of FIIs demand also determines the market direction. FIIs have to appoint an agency as consolidation to deal in the securities and reporting. Accounts have to be maintained on daily basis. Semi model reports should be submitted by the custodian to SEBI and RBI. SEBI can conduct direct inspections on the accounting books of a registered FII. A Foreign Institutional Investor is permitted to appoint more than one domestic custodian with prior approval of the Board but only one custodian may be appointed for a single sub-account of FIIs.

*Financial Management* **SEBI and FIIs**

*Notes*

SEBI announced its guidelines for FIIs registration and their operations in India in 1992 in February, 1993 SEBI has granted registration to 12 FIIs for investing in the Indian Stock market. At the end of 1996, 97, 439 FIIs were registered with SEBI. SEBI permitted registered FIIs to invest in all securities traded on the primary and secondary markets including: equity, other securities and instruments of companies listed on stock exchanges including OTCEI. According to the 1995 regulation, no person can buy or sell or otherwise deal in securities as a foreign institutional investor unless he holds a certificate granted by SEBI. The certificate would be given to FIIs only after considering—

1. The applicant's track record, professional record, professional competence, financial soundness, experience, general reputation of fairness and integrity.
2. Whether the applicant is regulated by an appropriate foreign regulatory authority.
3. Whether the applicant has been granted permission under the provisions of FERA Act 1973, for making investments in India as FII.
4. Whether the applicant is
  - (a) An institution established or incorporated outside India as Pension Fund or Mutual Fund or Investment Trust, or
  - (b) An Asset Management Company or Nominee Company or Bank or Institutional Portfolio Manager, established or incorporated outside India and proposing to make investment in India on behalf of broad based funds or
  - (c) A Trustee or Power of Attorney holder, incorporated or established outside India and proposing to make investments in India on behalf of broad based funds.

The certificate is valid for a period of 5 years from the date of its grant. Provisions are made for the renewal of the certificate.

FIIs are allowed to place orders directly. Separate codes are given to FIIs and stock exchange have to use the code number. The code number have to be approved by SEBI.

All the transactions carried out on behalf to FIIs have to be on delivery basis. In other words, the registered FIIs should not engage in short selling and have to take delivery of all purchase and give delivery of sold securities .

To ease the inflow of foreign capital, amendments have been made in the regulations regarding the FIIs investment. They are given below.

1. SEBI exempted FIIs to attach copy of RBI approved with market lot where shares are sold and a custodian signed the transfer deed on their behalf.
2. FIIs individual limit on investment in a company was raised from 5 per cent to 10 per cent. Further, they have been allowed to unlisted stock of any company.

The FIIs list has also been increased.

3. SEBI (FIIs) Regulations 1995, have been changed to allow the FIIs to invest not only in the equity but also in debt instruments of corporate bodies. FIIs were allowed to invest up to 100 per cent of the funds in

debt instruments of Indian companies through 100 per cent dedicated debt funds from January 15, 1997. *SPECIAL FINANCING*

4. SEBI amended SEBI (FIIs) Regulations 1997, to make it mandatory for FIIs, having securities of Rs.10 crore of these as on own interest. *Notes*

5. In June 1998, SEBI permitted

(a) FIIs to invest in unlisted companies through the 100% debt route and to tender their securities directly in responses to an open offer made in terms of the SEBI regulations 1997.

(b) SEBI simplified the process of approval of Sub-accounts of registered FIIs. (c) SEBI permitted FIIs to buy derivative contracts, which are traded on the stock exchanges.

6. The aggregate investment of FII/NRI/OCB has been raised to 30 per cent of the equity of the company by the union budget for 1997–98. The Finance Minister in his budget speech in February 2000 announced of this limit to 40 per cent.

## **MERCHANT BANKING**

### **Introduction**

Merchant banking is one of the fee based financial services which includes underwriting, consultancy and other allied services to the business concern. The term merchant banking has been used in different terms in different countries. In UK merchant banking is termed as accepting and issuing house and in the USA it is known as investment banking.

### **Meaning**

A merchant banking is one who underwrites corporate securities and advises clients on issue like corporate mergers. Merchant banking is basically service banking which provides non financial services such as issue management, portfolio management, asset management, underwriting of new issues, to act as registrar, share transfer agents, trustees, provide leasing, project consultation, foreign credits, etc. The merchant bankers may function in the form of a bank, financial institutions, company or firm.

### **Merchant Banking in India**

In India, the first merchant banking services were started only in 1967 by National Grindlays Bank followed by Citi Bank in 1970. In 1972 State Bank of India started a merchant banking division, followed by ICICI Bank in 1973. Nowadays, most of the public sectors, private sectors, commercial banks and financial institutions established a separate division of merchant banking services.

### **Classification of Merchant Banking**

According to the Securities Exchange Board of India regulations, merchant bankings are classified into the following categories on the basis of their activities and capital adequacy. The merchant banking must register themselves with Securities Exchange Board of India. Category Minimum Net worth for Activities Permitted by SEBI

Category	Minimum Net worth for Capital adequacy	Activities Permitted by SEBI
Category I	Rs. 5 Crore	Issue Manager, Advisor, Consultant, Underwriter and Portfolio Manager
Category II	Rs. 50 Lakhs	Advisor, Consultant, Underwriter and Portfolio Manager
Category III	Rs. 20 Lakhs	Advisor, Consultant, Underwriter
Category IV	-NIL	Advisor and Consultant service only.

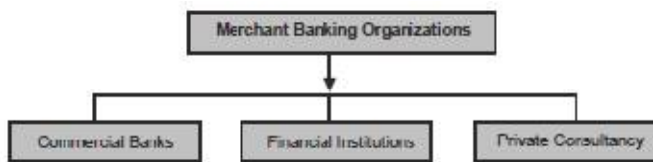
## FUNCTIONS OF MERCHANT BANKING

Merchant banking is one of the non financial services which provides to the corporate sectors, commercial banks and financial institutions. The major functions of merchant banking are explained as follows:

1. Management, Marketing and Underwriting of new issues.
2. Project finance and project promotion services.
3. Syndication of credit and other facilities.
4. Leasing including project leasing.
5. Corporate advisory services.
6. Investment advisory services.
7. Bought out deals.
8. Venture capital.
9. Mutual funds and off shore funds.
10. Investment Management.
11. Investment services for non resident Indians.
12. Management dealing in commercial paper.
13. Treasury management.
14. Stock broking.
15. Foreign Collaboration and foreign currency finance.
16. Counseling to Small Scale Industries.
17. Capital Structure counseling to cooperative sectors.
18. Meeting the working capital needs.

### Merchant Banking Organizations

In India, merchant banking services are provided by the following types of organizations:



### Merchant Banking Organizations

The following commercial banks are wholly owned subsidiaries to carry out merchant banking activities.

State Bank of India – SBI Capital Markets Limited.

Canara Bank – Can Bank Financial Service Limited

Bank of Baroda – BOB Fiscal Services Limited.

Grindlays Bank – Grindlays Merchant Banking Limited.

ICICI, IFIC and IDBI are some of the examples of the All India financial institutions which are involving in the merchant banking activities.

DSP Financial Consultants, Credit Capital Finance Corporation Limited, J.M Financial and Investment Services Limited are some of the examples of the private consultancy firms which are involving merchant banking activities.



## CREDIT RATING

SPECIAL FINANCING

Notes

Credit rating is one of the fee based financial services which are provided by specialized agencies like CRISIL, ICRA and CARE. It is a mechanism by which the reliability and viability of a credit instrument is brought out. It is usually the effort of investors in financial instrument to minimize or eliminate default risk. Credit rating service is useful to the investors. According to Securities Exchange Board of India, credit rating is a compulsory mechanism for listing of the companies in the stock market and also it is essential to the corporate sectors who want to raise capital with the help of issue of fixed deposits, commercial papers and other short-term instruments.

### Meaning of Credit Rating

Credit rating is an act of assigning values to credit instruments by estimating or assessing the solvency, and expressing them through predetermined symbols. "Credit rating is designed exclusively for the purpose of granting bonds according to their investment quality".

Corporate or municipal debt rating is a current assessment of the credit worthiness of the obligator with respect of a specific obligation.

### Objectives of Credit Rating

These are the important objectives of the credit rating:

- To impose a healthy discipline on borrowings.
- To lend greater belief to financial and other representations.
- To facilitate formulation of public guidelines on institutional investment.
- To help merchant bankers, brokers and regulatory authorities.
- To encourage the information disclosure, better accounting standards, etc.
- To reduce interest cost for highly rated company.

### Credit Rating in India

Credit rating in India begins from 1988. At present there are four credit rating agencies very popular in rating.

Operational Performance of Credit Rating Business in India

Rs. in crore

Rating Agency	1984-85		1985-86		Cumulative Up to March 86	
	Number	Amount	Number	Amount	Number	Amount
CRISIL	384	24,544	427	43,086	1738	1,14,673
ICRA	212	5,343	293	75,742	778	93,380
CARE	184	8,403	217	13,909	445	23,638
Total	780	38,290	937	1,32,737	2,959	2,31,691

### Basis for Credit Rating

Credit rating agencies consider the following important informations for granting the rating symbol to the borrowing company;

1. Historical background of the company.
2. Track record of the company.
3. Financial efficiency and profitable position.
4. Operational efficiency.
5. Market share of the company.
6. Labour efficiency and their turnover.
7. Future prospects.

**Credit Rating Information Service of India Limited (CRISIL)**

Credit Rating Information Service of India Limited was the first credit rating agency in India, in January 1988 jointly by ICICI, UTI, LIC, GIC and ADB. The following are the major objectives of the Credit Rating Information Service of India Limited.

- To rating of companies debentures, fixed deposits programmes, short-term instruments etc.
- To provide corporate reports to business concern.
- To conduct industry studies.

**Credit Rating Symbols of Credit Rating Information Service of India Limited**

Long-term Medium-term Short-term Remarks

Long-term Instrument	Medium-term Instrument	Short-term Instrument	Remarks
AAA	FAAA	P1	Highest Safety
AA	FAA	P2	High Safety
A	FA	P3	Adequate Safety
BBB	-	-	Moderate Safety
BB	FB	P4	Inadequate Safety
B	FC	-	Risk Prone
C	-	-	Substantial Risk
D	FD	P5	Default

**Operational Result of Credit rating Information Service of India Limited**

Credit Rating Information Service of India Limited is one of the well known and largest credit rating agencies in India which provides credit rating to corporate and banking sectors. The operational performances of the Credit Rating Information Service of India Limited are explained in the table below:

(Rs. in crore)

Instruments	1994-95		1995-96		Cumulative Up to March 96	
	Number	Amount	Number	Amount	Number	Amount
Debenture	103	7,641	161	13,342	646	45,700
Fixed deposits	97	9,130	218	14,153	543	38,625
Commercial Papers	137	1,629	21	3,255	459	11,415
Others	49	6,144	27	12,336	88	19,133
Total	384	25,544	427	43,086	1,736	1,14,873

Source: RBI reports.

**Investment Information and Credit Rating Agency of India Limited (ICRA)**

Investment Information and Credit Rating Agency is one of the largest credit rating service providers next to Credit Rating Information Service of India Limited. It was established mainly for the purpose of rating of short-term, medium-term and long-term debt instruments of the corporate and banking companies. It was set up in the year 1991 by the leading banking and financial institutions.

**Credit Rating Symbols of Investment Information and Credit Rating Agency of India Limited** *SPECIAL FINANCING*

Notes

Long-term Instrument	Medium-term Instrument	Short-term Instrument	Remarks
LAAA	MAAA	A1	Highest Safety
LAA	MAA	A2	High Safety
LA	MA	A3	Adequate Safety
LBBB	-	-	Moderate Safety
LBB	MB	-	Inadequate Safety
LB	MC	A4	Risk Prone
LC	-	-	Substantial Risk
LD	MD	P5	Default

**Operational Result of ICRA**

Investment Information and Credit Rating Agency of India Limited is also performing well in the field of credit rating to various instruments. The operational result of the Investment Information and Credit Rating Agency of India Limited is explained in the table below:

(Rs. in crore)

Instruments	1994-95		1995-96		Cumulative Up to March 96	
	Number	Amount	Number	Amount	Number	Amount
Debenture	45	1,779	86	8,224	223	18,599
Fixed deposits	87	540	192	50,507	380	54,481
Commercial Papers	80	3,023	35	17,311	195	22,299
Total	212	5,343	293	75,742	774	93,380

**Credit Analysis and Research Limited (CARE)**

Credit Analysis and Research Limited was set up by Industrial Development Bank of India in November 1993, Credit Analysis and Research Limited also provides rating to long-term, medium-term and short-term instruments.

The rating symbols of Credit Analysis and Research Limited are mentioned below:

**Credit Rating Symbols of Credit Analysis and Research Limited**

Long-term Instrument	Medium-term Instrument	Short-term Instrument	Remarks
CARE AAA	CARE AAA	PR1	Highest Safety
CARE AA	CARE AA	PR2	High Safety
CARE A	CARE A	PR3	Adequate Safety
CARE BBB	CARE BBB	-	Moderate Safety
CARE BB	CARE BB		Inadequate Safety
CARE B	CARE B	PR 4	Risk Prone
CARE C	CARE C	-	Substantial Risk
CARE	CARE	PR5	Default

**Operational Result of Credit Analysis and Research Limited**

Credit Analysis and Research Limited is one of the latest origins in the field of credit rating which provides rating to various instruments. The operational result of the Credit Analysis and Research Limited as explained in the table below:

Instruments	1994-95		1995-96		Cumulative Up to March 96	
	Number	Amount	Number	Amount	Number	Amount
Debenture	34	3,429	54	9,330	93	13,572
Fixed deposits	112	1,839	39	1,692	179	3,704
Commercial Papers	38	3,335	124	2,887	173	6,362
Total	184	8,403	217	13,909	445	23,638

Source: RBI reports

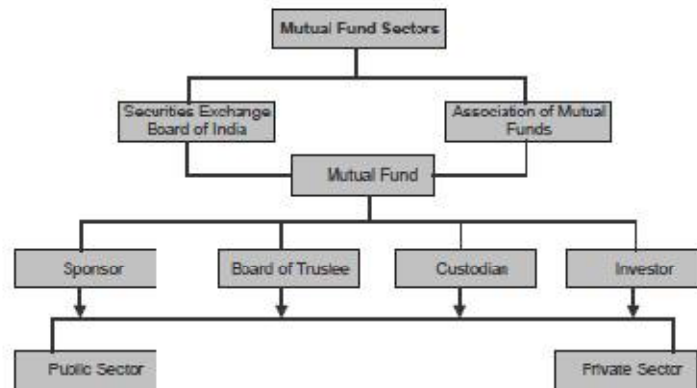
## MUTUAL FUNDS

### Introduction

Mutual fund is one of the funds based financial services which provides the stock market benefits to small investors. It is a concept, leading to attract the small investors to invest their pooling of savings in a trusted as well as profitable manner. Mutual funds business becomes very popular in developed countries and it is fast growing in developing countries like India also. Mutual funds act as a link between the investor and the stock market. Now in India mutual funds activities are performed by public, private and foreign sector financial institutions.

### Origin of Mutual Funds

In the year 1822 the concept of mutual funds was found in Belgium. In 1868, foreign colonial government trust was established in England to spread the risks in securities market. Mutual funds concept was spread to USA and some of the mutual funds institutions were established. Unit Trust of India was established in 1964 as a public sector mutual funds institution by the central government. It is the first mutual fund in India.



### Structure of Mutual Fund in India

### Meaning of Mutual Fund

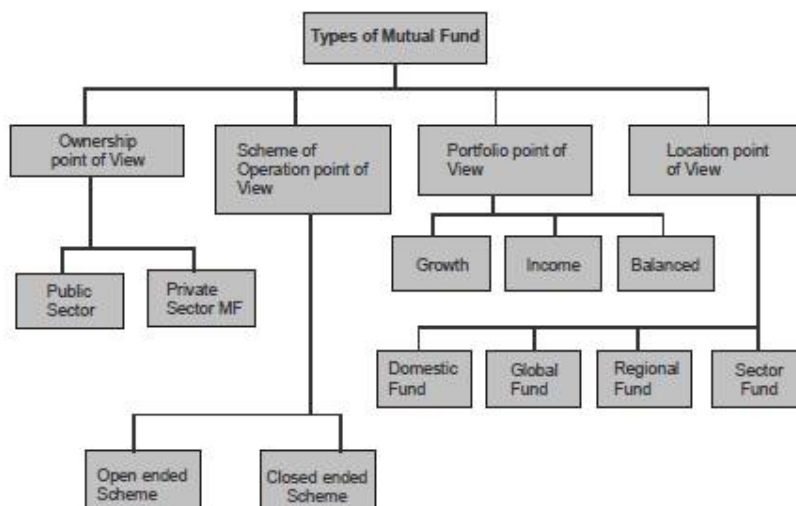
A mutual fund is an investment vehicle for investors who pool their savings for investing in diversified portfolio of securities with the aim of attractive yields and appreciation in their value. Mutual fund is a trust that attracts savings which are then invested in capital markets. According to SEBI, mutual fund define is as a fund, established in the form of a trust to raise money through the sale of units to the public or a section of the public under one or more scheme for investing in securities, including money market instruments. Investment company institute of the US defined mutual fund is a financial service organisation that receives money from shareholders, invests it, earns return on it, attempts to make it grow and agrees to pay the shareholders cash on demand for the current value of his investment.

### Advantages of Mutual Funds

Mutual fund consists of the following important advantages:

1. Attract small and medium group investors: Mutual funds promote savings among the lower and middle income groups of investors because mutual fund units are available with a single unit of Rs. 10 and multiples by the same value.
2. Attractive return: If the investor invests in mutual fund, they can get attractive returns because mutual funds are linked with stock market. The benefits of stock market goes to the mutual fund investors.
3. Reduce the risk: Mutual fund investments minimize the risk on investments by diversifying the investments into various portfolios such as shares, debentures, bonds etc.
4. Assure return: Mutual funds are managed by experts in the field of investment management; hence there is no risk and mutual fund offers assured return.
5. Tax concession: If the mutual funds belong to infrastructure development bonds, there will be a tax concession to the mutual fund investment.
6. Liquidity: Mutual fund investment is one of the highly liquidity based investments which can be recapitalized at any time or sold the mutual fund units at any time.
7. Convenience: Mutual fund investment is one of the most convenient investments for those who want to invest or get back their investment through selling of the units of mutual fund.
8. Flexibility: Mutual fund can be transferred from one scheme to the other scheme on the basis of present market condition.
9. Benefits to minorities: Mutual fund investment schemes are most suitable to the old age pensioners, widows middle class women, etc.
10. Contribution to the economy: Mutual fund companies promote the saving habits of middle class people. Hence, the money invested in mutual fund schemes are invested into the major economical activities like infrastructure development construction of bridge, buildings, etc.

### Types of Mutual Fund



**Types of Mutual Fund**

**Public Sector Mutual Fund**

Unit Trust of India is one of the public sector mutual funds operating from 1964 and it enjoys the monopoly power in the field of mutual funds up to 1987. After 1987, Public Sector Commercial Banks and Life Insurance Corporation of India also entered into mutual funds activities. State Bank of India, Canara Bank, Punjab National Bank, General Insurance Corporation are some of the public sector mutual funds activities.

**Private Sector Mutual Fund**

Apart from UTI and public sector commercial banks, some of the private sector financial institutions also entered into the mutual fund activities in India from 1990 onwards. Kothari Pioneer mutual fund, Twentieth century mutual fund, ICKI mutual fund, Morgan Stanly mutual fund, Taurus mutual fund and CRB mutual fund are some of the examples of the private sector mutual fund.

**Open Ended Mutual Fund**

When the units are sold and redeemed at any time on-going basis at the price determined by the funds Net Assets Value (NAV) is called as open ended mutual fund. These mutual fund has no fixed maturity periods. There is no ceiling on the amount invested by the investors in these funds, and they can sell the units back to mutual funds whenever they decide. Net Assets Value of the mutual fund is calculated by the following formula:

$$\text{Net asset value of the unit} = \frac{\text{Net assets value of fund}}{\text{Number of outstanding units}}$$

**Closed Ended Mutual Fund**

Closed ended mutual funds have fixed maturity period ranging from two to 15 years. The units of closed ended mutual funds are not repurchased or redeemed by mutual funds before the maturity period. The investors cannot buy units directly from the fund after the closing period.

**Growth Generated Mutual Fund**

Mutual fund investments which are reinvested in highly growth oriented equity shares are called as growth oriented mutual fund. It consists of high return with growth potentials.

**Income Generated Mutual Fund**

If the investor needs regular income for their investment, they can select income oriented mutual fund. It provides regular income to its investors.

**Balanced Mutual Fund**

Balanced mutual fund is a combination of mutual fund investment in company securities as well as the government bonds. Investors can get moderate return with safety options.

**Domestic Mutual Fund**

When the mutual fund mobilizes savings from a particular country or region, it is called domestic mutual fund.

**Global Mutual Fund**

When the mutual fund investment stocks are traded in markets throughout the world with the exemption of the country which launches the fund.

**Regional Mutual Fund**



When the mutual fund consists of a particular region or a country, it is also called as off shore mutual fund. *SPECIAL FINANCING*

### **Sector Mutual Fund**

*Notes*

Sector mutual funds are specializing in a particular industry which consist of aggressive funds.

### **Top Ten Mutual Fund**

• UTI Mutual Fund • Reliance Mutual Fund • Prudential ICICI Mutual Fund • HDFC Mutual Fund • Franklin Templeton Mutual Fund • Birla Sun Life Mutual Fund • SBI Mutual Fund • DSP Merrill Lynch Mutual Fund • Kotak Mahindra Mutual Fund • Tata Mutual Fund

## **REVIEW QUESTIONS**

1. Explain the types of leasing.
2. Discuss the advantages of lease financing.
3. Explain the features of venture capital.
4. Explain the types of factoring.
5. What is FDI? Explain it.
6. Discuss the functions of merchant banking.
7. Critically evaluate the role of credit rating agencies.
8. Enumerate the types of mutual funds.

## **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth

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# UNIT-13 FINANCIAL SYSTEM

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## CONTENTS

- ❖ Introduction
- ❖ Financial System in India
- ❖ Industrial Finance Corporation of India (Ifci)
- ❖ Industrial Credit And Investment Corporation of India(Icici)
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- ❖ Export Import Bank (Exim Bank)
- ❖ National Bank For Agricultural and Rural Development
- ❖ Specialized Financial Institutions
- ❖ Insurance Sector in India
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## INTRODUCTION

Finance plays a key role in the part of economic and business activities of the country. Systematic and efficient flow of finance is needed to efficient and effective management of the business concern. Arrangement of finance to required business concern, should be properly maintained and channelised through regulated institutions and markets. In India, with the effect of the new economic policy, emerging needs of financial institution and markets should be looked after. Indian financial system has developed constantly and successfully to infuse the new blood to the economic development of the nation. Hence, the economic growth and development is purely based on the regulated and well established financial system of the country.

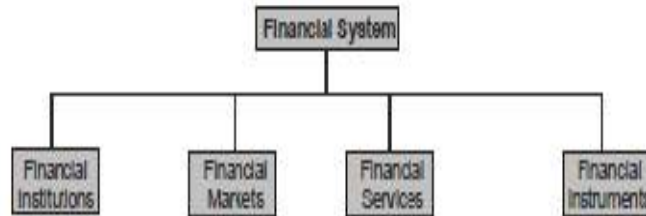
## FINANCIAL SYSTEM IN INDIA

Financial system is the basic concept for the industrial development of the nation. Financial system provides adequate and smooth flow of finance to the needed parts. Indian financial system consists of the four important components such as:

- Financial Institutions
- Financial Markets
- Financial Instruments
- Financial Services.



Financial system implies a set of complex and closely connected or intermixed institutions, agent practices, markets, transactions, claims and liabilities in the economy. The financial system is concerned about the money, loan and finance. These three parts are very closely interrelated with each other and depend on each parts.

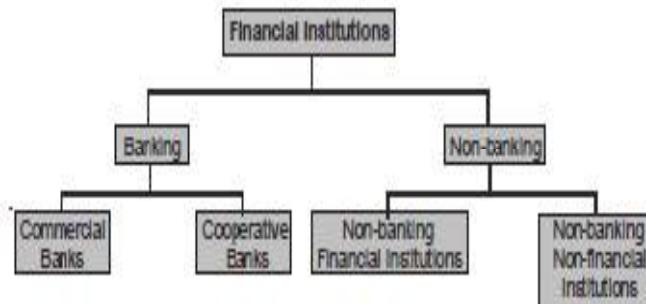


### Financial System

#### Financial Institutions

Financial institutions are the major part of the Indian financial system. Hence, it is more importance than other component of the IFS because all the components of IFS are directly or indirectly related with the financial institutions. Financial institutions are providing various services to the economic development with the help of issuing of the financial instruments.

Financial institutions can be classified into banking and non-banking institutions. Now in India, all the financial institutions are systematically regulated and controlled by respective act.



### Financial Institutions

#### Banking Institutions

Banking institutions are the key part of the economic development of the nation. Any country's financial transaction should be properly arranged from investors to the needed industrialist. Banking institutions play a major role in the field of savings and investments of money from public and lending loans to the business concern.

Indian Banking institutions may be classified into two board categories:

(1) Commercial Banks (2) Cooperative Banks

#### Commercial Banks

Commercial Banks are the most important deposits mobilisation and disbursers of finance. Indian commercial banks are the oldest, biggest and fastest growing financial institutions. The main function of the commercial banks are accepting deposits and rendering loans to the public. Indian commercial banks can be classified into the following categories:

### **Scheduled Commercial Banks**

Scheduled banks are those which are included in the second scheduled of Banking Regulation Act 1965 and others are non scheduled banks. To be included in the second scheduled of the Banking regulation act the bank full fill the following conditions:

- Must have paid up capital and reserves of not less than Rs. five lakh.
- It must also satisfy the RBI that its affairs are conducted in a manner.
- It is required to maintain a certain amount of reserves with the RBI.

### **Nationalised Banks**

To use financial institutions as the instrument of promoting economic and social development in a more purposeful manner and to overcome the monopoly over financial resources, the government of India nationalised 20 commercial banks during the tenure of Prime Minister of Indira Gandhi. On July 19, 1969, the first nationalisation of 14 banks took place with the following banks:

1. Bank of India
2. Union Bank of India
3. Bank of Baroda
4. Bank of Maharashtra
5. Punjab National Bank
6. Indian Bank
7. Indian Overseas Bank
8. Central Bank of India
9. Canara Bank
10. Syndicate Bank
11. United Commercial Bank
12. Allahabad Bank
13. United Bank of India
14. Dena Bank

On April 15, 1980 the second nationalisation took place with the following banks:

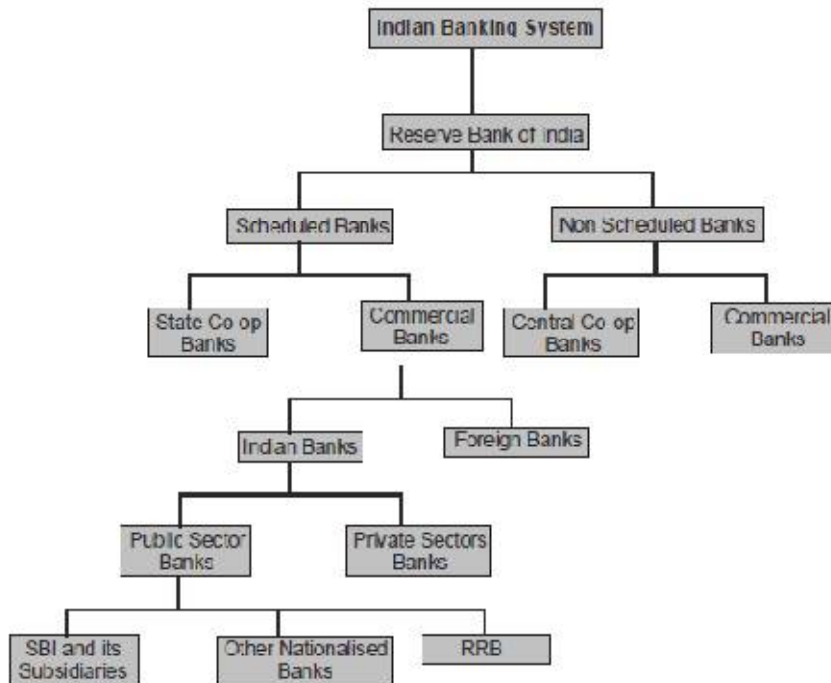
1. Andhra Bank
2. Corporation Bank
3. New Bank of India
4. Oriental Bank of Commerce
5. Punjab and Sind Bank
6. Vijaya Bank

In October 1993 the new bank of India was merged with Punjab National Bank, in March 2007, Bhart Overseas Bank merged with Indian Overseas Bank therefore, at present there are only 19 nationalised banks in the country besides the RBI.

### **State Bank of India (SBI)**

The largest Public sector bank of India which was created after nationalisation of Imperial Bank of India in 1955. It is now the largest commercial banks in India and in terms of branch largest in the world. As part from the main State Bank of India, there are seven subsidiaries:

1. State Bank of Bikaner and Jaipur
2. State Bank of Indore
3. State Bank of Patiala
4. State Bank of Travancore
5. State Bank of Hyderabad
6. State Bank of Mysore
7. State Bank of Saurashtra



### Indian Banking System

#### Growth and Structure of Commercial Banks in India

S. No.	Particulars	1951	1986	1996	2002	2005
1.	Number of Sch. Banks	92	79	91	98	98
2.	Number of RRB	-	194	196	196	196
3.	Number of Non-Sch. Banks	474	3	3	4	4

#### Private Sectors Banks

These comprise of foreign and private domestic banks. The foreign banks have market share of 8.5% of total deposits into banking industry and the domestic private banks have a share of 5.8% of total deposits of the banking industry. Presently 31 private domestic banks and 33 foreign banks are functioning in India. The following are the old generation private sector banks in India:

- Bharat Overseas Bank Ltd.
- City Union Bank Ltd.
- Development Credit Bank Ltd.
- Ing Vysya Bank Ltd.
- Karnataka Bank Ltd.
- Lord Krishna Bank Ltd.
- The Nainital Bank Ltd.
- SBI Coml. and Intl. Bank Ltd.
- Tamilnadu Mercantile Bank Ltd.
- The Bank of Rajasthan Ltd.
- The Catholic Syrian Bank Ltd.
- The Dhanalakshmi Bank Ltd.
- The Federal Bank Ltd.
- The Ganesh Bank of Kurndwad Ltd.
- The Jammu & Kashmir Bank Ltd.

- The Karur Vysys Bank Ltd.
- The Lakshmi Vilas Bank Ltd.
- The Ratnakar Bank Ltd.
- The Sangli Bank Ltd.
- The South Indian Bank Ltd.
- The United Wester Bank Ltd.

#### **New Banks in Private Sectors**

In the year 2000, the government of India related entry level for private sector by reducing the government holding in nationalised banks from 51% to 33%. The RBI in 2003 thereby issued directions for establishment of private banks in India. Some of the new banks in private sector as follows:

- UTI Bank Ltd.
- Indus Ind Bank Ltd.
- ICICI Bank Ltd.
- Global Trust Bank Ltd.
- HDFC Bank Ltd.
- Centurian Bank Ltd.
- Bank of Punjab Ltd.
- Times Bank Ltd.
- IDBI Bank Ltd.
- Development Credit Bank Ltd.
- Kotak Mahindra Bank Ltd.

#### **Foreign Banks in India**

RBI has been issuing licenses to various foreign banks to operate in India. 33 foreign and multinational banks are working in India today. The following are the major foreign banks lay in Indian banking markets.

- ABN-Amro Bank N.V.
- Abu Dhabi Commercial Bank Ltd.
- American Express Bank Ltd.
- Antwerp Diamond Bank N.V.
- Arab Bangladesh Bank Ltd.
- Bank International Indonesia
- Bank of America NA
- Bank of Bahrain and Kuwait BSC
- Bank of Ceylon
- Barclays Bank PLC
- BNP Paribas
- Chinatrust Commercial Bank
- Chohund Bank
- Citibank N.A.
- Calyon Bank
- Credit Lyonnais
- Deutshe Bank AG
- Ing Bank N.V.
- JP Morgan Chase Bank
- Krung Thai Bank Public Company Ltd.
- Mashreq Bank psc
- MIZUHO Corporate Bank Ltd.
- Oman International Bank SAOG

- Societe Generale
- Sonali Bank
- Standard Chartered Bank
- State Bank of Mauritius Ltd.
- Sumitomo Mitsui Banking Corporation
- The Bank of Nova Scotia
- The Bank of Tokyo-Mitsubishi, Ltd.
- The Development Bank of Singapore Ltd.
- The Hong Kong and Shanghai Banking Corporation Ltd.
- UFJ Bank Ltd.

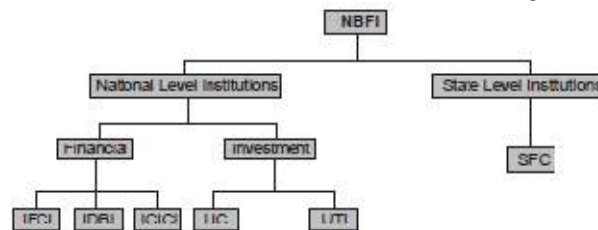
### Non-banking Institutions

Apart from the banking institutions, Non-banking institutions are also performing their function to improve the Indian financial system. Non-banking Institutions can be classified into the following two major categories:

1. Non-banking Financial Institutions.
2. Non-banking Non-financial Institutions.

### Non-banking Financial Institutions

**Non-banking Financial Institutions** are providing fund based services such as investment, insurance, mutual funds and lending institutions:



### Non-banking Financial Institutions

## INDUSTRIAL FINANCE CORPORATION OF INDIA (IFCI)

### Origin

Industrial Finance Corporation of India, the first development bank in India was set up in July, 1, 1948 by passing a special Act as Industrial Finance Corporation of India Act 1948 in the parliament.

### Capital

Industrial finance corporation of India was started with the paid up share capital of Rs. 10 crore. The share capital was contributed by Reserve Bank of India, scheduled banks, insurance companies, investment trust and co-operative banks. Industrial finance corporation of India can raise further capital with the help of issue of bonds, debentures, accepts deposits from public and advance from RBI.

### Objectives

The objective of Industrial Finance Corporation of India is to make medium and long-term credits more readily available to industrial concern in India particularly to the industries.

- Manufacturing, preservation or procession of goods
- The mining industry
- The shipping industries
- The hotel industries
- Generation or distribution of electricity or power

*Financial Management* **Functions**

*Notes*

The following are the main functions of the Industrial finance corporation of India:

1. Granting loans and advances.
2. Subscribing to the shares and debentures floated by industrial concern.
3. Guaranteeing loan taken from capital market.
4. Guarantee deferred payment in respect of import of capital goods by approved concerns.
5. Involves merchant banking activities.
6. Special assistance to women, SSI and backward area.
7. Consultancy for technical, marketing and financial.

**Management**

Industrial Finance Corporation of India is managed by the board of directors which consist of 12 directors and one full time chairman. Some of the directors are nominated by IDBI, Central government, Scheduled Commercial Bank, Co-operative Banks and Insurance Companies.

**Subsidies of Industrial Finance Corporation of India**

Apart from the financial service to the industrial concern Industrial finance corporation of India promote some of the institutions:

- Tourism Finance Corporation of India Ltd.
- Management Development Institute.
- Risk Capital and Technology Finance Corporation Ltd.
- Technical consultancy organisation.
- Investment information and credit rating agency of India.

**Working Result**

In 1970–71 loan sanctioned was Rs. 32.2 crore, in 1998 it was reached to Rs. 8684 crore. The total sanctioned by Industrial finance corporation of India as at the end of March 1999 stood at Rs. 47245 crore. Now-a- days Industrial finance corporation of India providing all kind of financial assistance to medium and large scale industrial sector in India.

**INDUSTRIAL CREDIT AND INVESTMENT CORPORATION OF INDIA(ICICI)**

**Origin**

Industrial Credit and Investment Corporation of India was started in January, 5 1955 as a Public Ltd. Companies under the companies act. It is only development bank which has participation by foreign investors.

**Capital**

Paid up share Capital of Industrial Credit and Investment Corporation of India is Rs. 25 crore, which was contributed by commercial banks, insurance companies, foreign investors from UK, USA, Germany, France and Japan.

**Objective**

The following are the major objectives of Industrial Credit and Investment Corporation of India:

1. To provide following are the major objectives of Industrial Credit and Investment Corporation of India:
2. To develop underwriting facilities, to help private sector units.

**Functions**

The main functions of the Industrial Credit and Investment Corporation of India are as follows:

- Expansion of private sector industries.
- To give loans or guarantee of loans either in rupees or foreign currency.
- To underwrite shares and debentures and subscribes directory to share issued.
- To encourage and promote private capital.
- To promote private ownership of industrial investment along with the expansion of investment market.

### **Management**

Industrial Credit and Investment Corporation of India is managed by the board of directors which full time chairman. The directors are nominated by Government, Reserve Bank of India Foreign shareholders and IDBI.

### **Subsidiaries of Industrial Credit and Investment Corporation of India**

Industrial Credit and Investment Corporation of India is one of the leading and wide range of financial service providers in India. The following are the subsidiaries of the Industrial Credit and Investment Corporation of India.

- ICICI Banking Corporation Ltd.
- ICICI Securities and Finance Company Ltd.
- ICICI Assets Management Company Ltd.
- ICICI Trust Ltd.
- ICICI Brokerage Service Ltd.
- ICICI Credit Corporation Ltd.

### **Working Result**

Industrial Credit and Investment Corporation of India provided financial assistance to industrial concerns has increased form 145.8 corer in 1961–62 to Rs. 34,220 crore in 1998–99 of the total loan sanctioned in 1998–99, 33% went to corporate finance, 29% to infrastructure, 19.5 each to oil gas and petrochemicals industries.

## **INDUSTRIAL DEVELOPMENT BANK OF INDIA (IDBI)**

### **Origin**

The Industrial Development Bank of India was set up as a wholly owned subsidiary of the RBI on July 1st 1964 under an act of parliament. In February 1976, it became an independent and autonomous bank.

### **Capital**

Industrial Development Bank of India was started with initial paid up capital of Rs. 100 crores and now it can raise further capital with the help of issue of shares, debentures and accept deposits from public.

### **Objectives**

The main objectives of the Industrial Development Bank of India are as follows:

- To provide credit, team finance, and financial services for the establishment of new projects.
- To expansion, diversification modernization and technology upgradation of existing Industrial concern.
- To provide several diversified financial products.
- To undertake merchant banking activities.

### **Functions**

The functions of Industrial Development Bank of India are as follows:

1. Direct finance—Project loan, soft loan, technical development loan, equipment finance etc.
2. Indirect finance—Refinancing, rediscounting of bills, seed capital to new entrepreneurs.
3. Special assistance—Promotion of development assistance funds.
4. General assistance—Non-financial promotional activities like marketing, research, consultancy etc.

### **Management**

Industrial Development Bank of India managed by board of directors which consist of 14 directors and one full time chairman. The directors are nominated by the government, Reserve Bank of India, company law board, insurance companies and various industries. Subsidiaries of Industrial Development Bank of India are as follows:

- IDBI Bank Ltd.
- IDBI Capital Market Service Ltd.
- IDBI Mutual Funds.
- SIDBI
- IDBI Intech Ltd.

**Industrial Development Bank of India has helped to set up the following institutions:**

- Technical Consultancy Organization.
- EXIM Bank.
- Entrepreneurship Development Institute.
- Credit Rating and information service India Ltd.

### **Working Result**

Total assistance sanctioned by Industrial Development Bank of India in 1998–99 was Rs. 25,555 crores, of this 96.7% goes to direct assistance, 0.4% belongs to refinance. The total amount of assistance sanctioned by the Industrial Development Bank of India till the end of March 1999 from the date of its incorporation has been Rs. 1,07,264 crores.

## **INDUSTRIAL RECONSTRUCTION BANK OF INDIA (IRBI)**

### **Origin**

In April 1971, Industrial Reconstruction Corporation of India (IRCI) was set up by IDBI and other development and public sector banks. IRCI was reconstituted and renamed as Industrial Reconstruction Bank of India in 1985 with a special Act in the parliament.

### **Capital**

Industrial Reconstruction Bank of India was started with initial paid up capital of Rs. 50 crore which is contributed by central government, Reserve Bank of India, SCB and various 236 Financial Management financial institutions. Further capital can be raised with the help of issue of shares, debentures and accept deposits from public.

### **Objectives**

Industrial Reconstruction Bank of India was established mainly for rehabilitating sick industrial units in India.

- To identify and remedial measures to sick industries.
- To provides financial assistance to reconstruction of sick industrial units.
- To promote the sick units into profitable units.



**Functions**

The following are the major functions of the Industrial Reconstruction Bank of India Credit and reconstruction agency for industrial revival modernization, rehabilitation, expansion, reorganization, diversification and rationalization. Empowered to grant loans and advances:

- Underwrite stocks, share and bonds.
- Guarantee loans and advances, performances and deferred payments.
- Gives assistance for capital expenditure, addition of balancing equipment etc.

**Management**

Industrial Reconstruction Bank of India is managed by the Board of directors with a full time chairman. Directors are nominated by central government, Reserve Bank of India, Schedule commercial Bank and financial institutions.

**Subsidies of Industrial Reconstruction Bank of India**

On March 27 1997, Industrial Reconstruction Bank of India was transformed into Industrial Investment Bank of India Ltd (IIBI) under the Companies Act. IIBI acts as a coordinating agency in the field of reconstruction.

**Working Result**

Industrial Reconstruction Bank of India sanctioned financial assistance to various sick industrial units. Industrial Reconstruction Bank of India sanctioned Rs. 92 crores in 1980– 81 but it has increased to Rs. 4526 crore in 2002–03. It contributed 80% of the financial assistance at all over India.

**STATE FINANCE CORPORATION (SFC)****Origin**

Central government decided to promote the Small Scale Industries and Medium Scale Industries at the state level by establishment of State Finance Corporation under a special Act. It is called as State Finance Corporation Act 1951. According to this act, state government have been empowered to set up State Finance Corporation. At present these are 18 State Finance Corporation in India.

**Capital**

State Finance Corporations will have a paid up capital from Rs. 50 lakhs to Rs. 5 crore which will be contributed by the respective state government, Schedule Commercial Bank, Reserve Bank of India and various financial institutions.

**Objectives**

- To provides financial assistance to Small scale industries
- To promote tiny, village and cottage Industries
- To provides infrastructure facilities to SSI

**Functions**

- Long term loans to Small Scale Industries.
- Refinance from Reserve Bank of India and Industrial Development Bank of India
- Assistance from International Development Agency (IDA) and foreign currency hire of credit from the IDBI

State Finance Corporation are managed by Board of directors constituted by the respective State Government, Central Government, Reserve Bank of India, Schedule Commercial Bank and Financial Institutions as nominated directors to the State Finance Corporation.

## **STATE FINANCE CORPORATION IN TAMIL NADU**

The Madras Industrial Investment Corporation (MIIC) was started as early as 1949, under the companies act and it was renamed as Tamil Nadu Industrial Investment Corporation (TIIC). It was the first State Finance Corporation in India, after the establishment of the State Finance Corporation Act, 1951, the first State Finance Corporation was in Punjab in 1953.

## **EXPORT IMPORT BANK (EXIM BANK)**

### **Origin**

EXIM bank was set up in January 1982 as a wholly owned by the central government.

### **Capital**

EXIM bank was established with the paid up capital of Rs. 50 crores. It is empowered from RBI and also from central government to further capital raise by issue of bonds and grants from government.

### **Objectives**

EXIM bank was established mainly for the purpose of promoting export and trading in India. The objectives are as follows:

- To promote the export and import activities
- To meet the financial requirements of the exporters
- To provides guarantee and make foreign exchange facilities to exporters.

### **Functions**

EXIM banks perform the following important functions:

1. Grants direct loans in India and outside for import and export.
2. Refinances loans and suppliers of credit.
3. Rediscounts usance export bills export bills for banks.
4. Provides overseas investment finance.
5. Bulk import finance.
6. Foreign currency preshipment credit.
7. Product equipment finance programme.
8. Business advisory and technical assistance (BATA).

### **Management**

EXIM bank is one of the wholly owned by central government, hence, the entire management is controlled by the central government.

### **Working Result**

EXIM banks business is exclusively devoted to India's export and import activities. The aggregate loans and outstanding reached Rs. 16.16 billion during the first decade of the its operation. During the year 1990–91, it was sanctioned Rs. 1984 crore and it has increased to Rs. 12011 crore in 2002–03. The share of EXIM bank in industrial finance is 2.11% in the year 2002–03.

## **NATIONAL BANK FOR AGRICULTURAL AND RURAL DEVELOPMENT**

### **Origin**

The National Bank for agricultural and rural development was set up on July 12, 1982, based on the Recommendation of the All India rural credit survey committee under an act of Parliament as a central or apex institution for financing agricultural and rural sectors. It has taken over the functions of Agricultural Refinance and Development Corporation (ARDC) and Agricultural credit department of Reserve Bank of India.

### **Capital**

The National Bank for Agricultural and Rural Development Functioning with the paid up capital of Rs. 100 crore which is subscribed by Government and Reserve Bank of India in equal amount. Further capital can be raised from the special borrowings from the Central Government.

### **Objectives**

The main objectives of National Bank for Agricultural and Rural Development are as follows:

- To provides refinance assistance for agriculture, Small Scale Industries and Village Industries.

- To undertakes promotional activities for integrated rural development
- To coordinates agricultural finance along with the state government
- To undertakes research and development in agriculture, rural industries

### **Functions**

The National Bank for agricultural and rural development discharges are: It provides all sorts of reference to Co-operatives, Commercial Banks, and Regional Rural Banks, in respect the above three agencies and advices the government thereon. It makes loans to state government to enable them to subscribe to the share capital of co-operative bank. It helps in promoting research in agriculture and rural development. National bank for agricultural and rural development undertakes evaluation and monitoring projects financed by it. It is responsible for the development, operation and co-ordination relating to rural credit.

### **Management**

National Bank for Agricultural and Rural Development is wholly owned by central government; hence it is managed by the central government constituted management board. Working Result National Bank for Agricultural and Rural Development operates through 28 regional offices, 336 district offices, one sub-office at Port blair and one special cell in Srinagar during the year 1986. National Bank for Agricultural and Rural Development sanctioned short-term credit to Small Scale Industries Rs. 400 crore and it has increased to Rs. 1200 crore in the year 1990-91. Nearly Rs. 400 crore have been provided as medium term loans to various activities, Rs. 200 crore have been sanctioned as long-term loans contributing to the share capital of co-operative institutions.

National Bank for Agricultural and Rural Development has refinanced banks for implementing the national programmes of mass assistance of small and marginal farmers. It also refinance development activities of the handloom sectors. It extends refinance to state co-operative banks, provide block capital to industrial Co-operative Societies and rural artisans against state government guarantee. Service area approach of

commercial banks is supported by National bank for agricultural and rural development through various special assistance.

**SPECIALIZED FINANCIAL INSTITUTIONS**

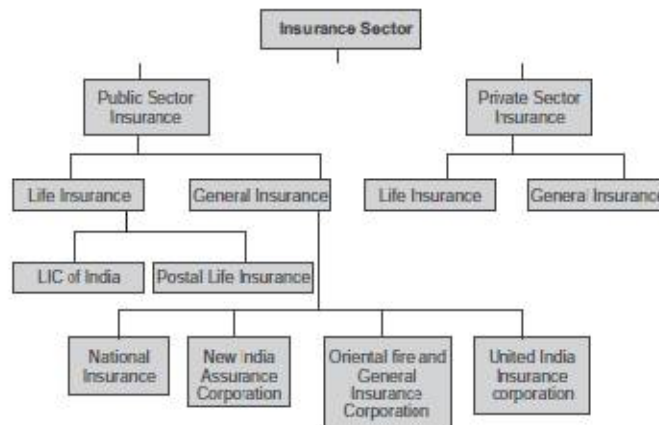
The following are the specialized financial institutions established by government to provide financial and non-financial assistance to various industrial sectors in India.

- Shipping Credit and Investment Corporation of India (SCICI), 1986.
- Infrastructure Leasing and Financial Service Limited (IL and FS), 1988.
- Technology Development and Information Company of India Limited (TDICI), 1988.
- Risk Capital and Technology Finance Corporation Limited (RCTFC), 1988.
- Tourism Finance Corporation of India (TFCI), 1989.
- Small Industries Development Bank of India (SIDBI), 1989.
- Infrastructure Development Finance Company (IDFC), 1997.

**INSURANCE SECTOR IN INDIA**

Insurance is one of the fund based financial services which provides risk coverage facilities to the human beings. Realising the vast potential in Indian market, foreign insurance companies started entering into India and even banking organisations (SBI, ICICI, etc.) also showed much interest in insurance business, this is being attributed to global technology and conversions of services as a result of which Indian Insurance market registered highest growth in the Asian region even though Indian’s share of global insurance premium is less 0.5% (1998) than that of US 24.2 percent and Japan 21 percent. The private players from India and abroad are well aware that only 25 percent of the insurable population have been covered by insurance by existing companies which includes that Indian insurance market has potential enough to exploit. In this process IRDA has so far granted registration for 12 private life insurance companies and 9 general insurance. If the existing public sector insurance companies are included, there are currently 14 insurance companies in the life side and 13 companies in general insurance business.

Insurance sectors in India has been classified into the following categories:



### **Insurance Sector**

Some of the Private Sector Life Insurance Corporation

- ICICI Prudential Life Insurance Corporation Limited.
- ING Vysya Life Insurance Corporation Limited.
- HDFC Standard Life Insurance Corporation Limited.
- Birla Sun Life Insurance Corporation Limited.
- SBI Life Insurance Corporation Limited.
- Om Kotak Life Insurance Corporation Limited.
- Met Life Insurance Corporation Limited.
- Allianz Bajaj Life Insurance Corporation Limited.
- Max New York Life Insurance Corporation Limited.
- Tata AIG Life Insurance Corporation Limited.
- AMP Sanmar Life Insurance Corporation Limited.

Some of the Private Sector General Insurance Corporation in India are as follows:

- CH NBH Assn General Insurance Corporation.
- ICICI Lombard General Insurance Corporation.
- Bajaj Allianz General Insurance Corporation.
- AIG General Insurance Corporation.
- IFFCO Tokio General Insurance Corporation.
- Royal Sundaram General Insurance Corporation.
- Reliance General Insurance Corporation.

### **LIFE INSURANCE CORPORATION OF INDIA**

The Life Insurance Corporation of India (LIC) was set up in the year 1956 by nationalizing 245 insurance companies. The Primary objective of nationalization was to protect the interest of policy-holders against misuses and embezzlement of funds by private insurance companies. Secondly, the object of nationalization was to direct investment of funds in government securities, leaving a meager part for the private sector.

What marks and distinguishes the LIC from other long-term financial institutions is this that it discharges the two fold function of mobilization of long-term savings and their effective channelisation as well. The other agencies are suppliers of fund obtained from government and the Reserve Bank of India.

#### **Role of LIC**

The activities of the LIC can be broadly classified into two categories. First, it mobilizes longterm contractual savings. Its policy-holders view the LIC as a trustee of their funds, a source of emergency fund to guard against any financial misfortune and a way to accumulates funds by the time of retirement from work. As an agency it is designed to the inculcation of savings for the sake of rainy days. During the last forty years of its operations, there has been concentration of colossal funds in hands of this monolithic state owned corporation. The resources thus obtained by the LIC from policy-holders are invested in diverse ways for different purposes. Basically LIC is an investment institution. It is a big investor of funds in government marketable securities. Since April, 1975 the amended Section 27A of the Insurance Act, 1938 the LIC is required to invest to not less than 50% of its accruals of premium income in government marketable securities. Of this not less than 25% in central government securities. Besides it has to give loans to approved

authorities like electricity boards or state government for socially oriented schemes like electricity, housing, water supply etc. These loans and investments should not exceed 87.5 percent of accretion to the controlled fund of the LIC.

The remaining 12.5 percent can be made to the private sector directly in the form of purchase of shares and debentures. Besides it grants loans to the private corporate sector and finances projects by subscribing shares and debentures of private industries. Its contribution to financing of industries in the private corporate sector is also indirect. The investment in the share capital and bonds of IFCI, SFCs, UTI and IDBI flow back to private sector in the form of direct loans. The LIC is also engaged in underwriting new issues. The LIC plays an important role in the securities market in India. It purchases even when the market is dull (bearish) and prices are low in order to reap the benefit of future price appreciation. Nor does it usually sell shares from its stock when the market is spurn at higher prices.

Although Income Tax concessions provide incentive to higher income groups through LIC policies, the insuring public does not get the real value of its long-term savings because of chronic inflation. Barring risk coverage, the rate of return offered by LIC is much lower compared to other savings media. It is true LIC has grown at a fast speed yet it can grow at a faster rate if it can make the message of life insurance more attractive by its operational efficiency and innovative attitude.

### **GENERAL INSURANCE COMPANIES**

The General Insurance Corporation of India(GIC) was formed as a government company in 1972 under the General Insurance Business (Nationalization) Act 1972. Before nationalization a few big companies and about 100 small companies were in this business. All these units were merged together and reorganized into four subsidiaries of GIC. They are:

- National Insurance Company
- New India Assurance Company
- Oriental Fire and General Insurance Company
- United India Fire and General Insurance Company.

On January 1, 1973 of all the Indian insurance companies were transferred to the GIC. The feature of the GIC is this that it sell insurance service against some forms of risk like loss of physical assets of various kinds from fire or accident and against personal sickness and accident. The insurer just purchases a service and not any financial asset. They draw vast resources in the other approved securities.

As a financial intermediary, the GIC invests funds in a prudent way looking after national priorities and meeting unforeseen claims under their policies. The GIC is required by law to hold central government securities to the tune of 25 percent of new accrual and at least 10% in other approved securities.

The companies can invest in the shares and debentures of the corporate sector. But shall not exceed 5%of the subscribed capital of a single company. It also participates in the underwriting of new issues and in granting term loans to industries.

## **UNIT TRUST OF INDIA**

FINANCIAL SYSTEM

### **Origin**

Unit trust was set up in 1964 by a special act passed in the parliament under the name of Unit Trust of India Act 1963, for the purpose to promote and regulate the mutual fund activities in India.

Notes

### **Capital**

The initial capital of Unit Trust of India was Rs. 5 crores which was contributed by Reserve Bank of India, Life Insurance Corporation, State Bank of India, Schedule Commercial Banks and foreign banks. Unit Trust of India can raise further capital through issue of bonds, accepting deposits and borrowings from Reserve Bank of India and Life Insurance Corporation.

### **Objectives**

Unit Trust of India functioning with the following major objectives:

- To promote the saving habits of small and medium investors.
- To provide stock exchange benefits to the small and medium investors.
- To reduce the risk of investors through diversified investment.
- To invest the funds on commercial purpose.

### **Functions**

Unit Trust of India performs the following important functions:

- Mobilisation of funds through mutual funds.
- Grant term loans.
- Rediscount Bills.
- Undertake equipment leasing and hire purchasing.
- Housing and construction finance .
- Merchant banking services.
- Portfolio management services.

### **Management**

Unit Trust of India is managed with an independent board of Trustees and a full time chairman, which is appointed by the government. The trustees are nominated by the Reserve Bank of India, Life Insurance Corporation, State Bank of India and other commercial banks.

### **Subsidiaries of Unit Trust of India**

Unit Trust of India also established some of the associates and group of institutions apart from their regular services:

- UTI Securities Exchange Limited –1994
- UTI Bank Ltd.–1994
- UTI Investment Advisory Service Limited–1988
- UTI Investors Services Limited–1993
- UTI Institute of Capital Market–1989
- UTI contributed to the establishments of the following institutions or organisations:
  - Credit Rating Information Service of India Limited (CRISIL)
  - Investment Information and Credit Rating Agency of India Limited (ICRA)
  - Credit Analysis and Research Limited (CARE)
  - Discount Finance House of India (DFHI)
  - Stock Holding Corporation of India Limited (SHCIL)
  - Over the Counter Exchange of India Limited (OTCEI)

Financial Management **Schemes of Unit Trust of India**

Notes

Unit Trust of India introduced various scheme in the different periods. The major Unit Trust of India schemes are under:

- Unit Scheme–64
- Monthly Income Scheme
- Children College and Career Fund Scheme
- Grihalakshmi Unit Plan
- UTI Bond Fund
- UTI Money Market Fund
- UTI Growth Sector Fund
- UTI Master Share.

**Working Result of Unit Trust of India**

Up to 1987 UTI enjoys the Monopoly power in the field of merchant banking activities. In terms of cumulative indicators it accounted for 34% of the total schemes, 83% of the resource mobilized, 82% the investment and 81% of the unit holding accounts at 4th end of 1995-96. The gross net resources mobilized by Unit Trust of India through open ended schemes were Rs 7092 crore and closed ended schemes were Rs 3.85 crore in the year 2002-03. The Growth performance of the Unit Trust of India has been explained in the below table.

Year	Sales	Repurchase	Investable	Repurchase as % of Sales
1984-85	19	0.4	25	2.06
1985-86	892	83	3218	7.06
1995-96	6373	7643	56620	119.92
2000-01	7910	10491	69346	132.63
2002-03	5767	11194	51990	194.10

**NON-BANKING NON-FINANCIAL INSTITUTIONS**

Non-banking non-financial institutions are providing fee based services to the public, such as merchant banking, underwriting, counseling, etc. These institutions will not lending any financial assistance to public but they will provide financial services.



**Non-banking Non-financial Institutions**

**FINANCIAL MARKETS**

Financial market deals in financial securities or instruments and financial services. It may be variously classified as primary and secondary, money markets and capital markets, organised and unorganised markets official and parallel markets, and foreign and domestic markets. Financial market provides money and capital supply to the industrial concern as well as promote the savings and investments habits of the public. In simple censes financial market is a market which deals with various financial instruments (share, debenture, bonds, treasury bills, commercial bills etc.) and financial services (merchant banking, underwriting etc).

Financial markets may be divided into two major classifications:

- A. Capital market
- B. Money market



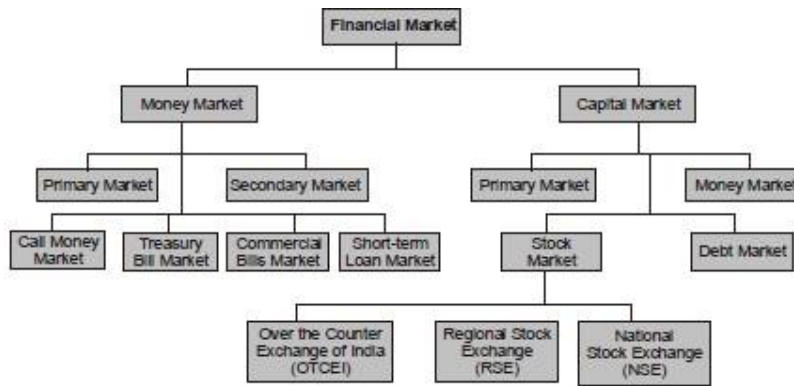


Fig. 13.7 Financial Market

### Capital Market

Capital market may be defined as an organised mechanism for effective and efficient transfer of money-capital or financial resources from the individuals or institutional savers to industrialists. The development of an effective capital market depends upon the availability of savings, a well-organised financial system and the entrepreneurial qualities of its people. Capital market is a market for long-term funds, just as the money market is the market for short-term funds. It refers to all the facilities and the institutional arrangements for borrowing and lending term funds (medium-term and long-term funds). It does not deal in capital for the purpose of investment.

The demand for long-term money capital comes predominantly from private sector manufacturing industries and agriculture and from the government largely for the purpose of economic development. As the central and state governments' investments are not only on economic overheads such as transport, irrigation and power development but also on basic industries and some times, even consumer goods industries, they require substantial sums from the capital market. The supply of funds for the capital market comes largely from individual savers, corporate savings, banks, insurance companies, specialised financing agencies and government.

Among institutions, we may refer to the following:

1. Commercial banks are important investors, but are largely interested in government securities and, to a small extent, debentures of companies.
2. LIC and GIC are growing in importance in the Indian capital market, though their major interest is still in government securities.
3. Provident funds constitute a major medium of savings but their investments are mostly in government securities.
4. Special institutions set up since Independence, viz. the IFCI, ICICI, IDBI, UTI etc., all these aim at providing long-term capital to the private sector.

The capital market in India can be classified into

- Gilt-edged Market on Government and Semi-government Securities;
- Industrial Securities Market;
- Development Financial Institutions (DFI), and
- Non-banking Financial Companies (NBFC)



### Capital Market in India

The Gilt-edged market is the market for Government and semi-government securities, which carry fixed interest rates and backed by RBI. The securities traded in this market are stable in value and are much sought after by banks and other institutions. The industrial securities market is the market for equities and debentures of companies of the corporate sector. This market further classified into (a) New Issues Markets; for raising fresh capital in the form of shares and debentures, and

(b) Old Issues Market; for buying and selling shares and debentures of existing companies—this market is commonly known as the stock market or stock exchange.

Both markets are equally important, but often the new issues market will be facilitated only when there are abundant facilities for transfer of existing securities. The capital market is also classified into Primary Capital Market and Secondary Capital Market. The primary capital market refers to the new issues market, which relates to the issue of shares, preference shares and debentures of non-government public limited companies, and also to the raising of fresh capital by Government companies, and also to the raising of fresh capital by Government companies and the issue of public sector bonds.

The secondary capital market, on the other hand, is the market for old or already issued securities. It is composed of Industry Security Market or the stock exchange in where industrial securities are bought and sold, and the Gilt-edged Market where the government and semi-government, securities are traded.

### MIBOR and MIBID

On June 15, 1998 National Stock Exchange launched two new Reference Rates for the loans of Inter-Bank Call Money Market. These rates are Mumbai Inter-Bank Offer Rate (MIBOR) and Mumbai Inter-Bank Bid Rate (MIBID). MIBOR will be the indicator of Landing Rate for loans which MIBID will be the landing rate of receipts.

### Share Market

India has a well developed share market system, which is one of the best in the developing world. It has one of the oldest stock markets in Asia. The first stock exchange was established in 1875 in Bombay (Mumbai), when the stock brokers against at their plight following the severe depression in securities, decided to form an association to protect the character and interest of native share and stock brokers.

India has the second largest share holding population with around 1.5 crore shareholders; next only to the United States of America which has about 5 crore shareholders. India is significantly ahead of countries like Japan, United Kingdom and France in this regard, the Indian figure may look impressive, but it constitutes only 1.5 percent of the total population. The country also has a large number of debenture holders, whose figure stands at around 50 lakhs (5 million). Here, it is important to note that most of the debenture holders are prospective shareholders as they are waiting for the conversion of their debentures into equity shares. The enhanced interest in capital market is a result of increasing industrialization, growing awareness among people and globalization of the capital market. Indian capital market can be divided into primary market (new issues market) and secondary market.

### **Primary Market**

The primary market refers to the set up by which the industry raises funds by issuing different types of securities. These securities are issued directly to the investors, both individual and institutions. The primary market discharges the important function of transfer of savings, especially of the individual, Government and public sector undertakings. In the primary market, the new issues of securities are presented in the form of Public issues, Right issues and Private Placements. Its efficient operation is made possible by the financial intermediaries and financial institutions, who arrange long-term financial transactions for the clients. Issues of the securities in the primary market may be made through (i) Prospectus, (ii) Offer for sale, and (iii) Private placement. The securities offered to the public through prospectus are directly subscribed by the investor. The issuing companies widely publicise the offer through various media. The Securities Exchange Board of India (SEBI) has classified various issues in three groups i.e., New issues, Right issues and Preferential issues.

The SEBI has issued various guidelines regarding proper disclosure for investor's protection. These guidelines are required to be duly observed by the companies making issue of capital. The guidelines issued by the SEBI broadly cover the requirements regarding issue of capital by the companies. The guidelines are applicable to all the companies after the repeal of Controller of Capital Issues (CCI) Act 1947. The boom in the primary capital market that started in the mid-eighties and accelerated thereafter, started slowing down by 1995. There are several reasons for this slowing down of resource mobilization in the primary market. In particular, the low return on new issues, some resulting in stock market fiasco, seems to have shattered the confidence of the investors.

### **Secondary Market**

The secondary market refers to the network system for the subsequent sale and purchase of securities. An investor can apply and get allotted, a specified number of securities by the issuing company in the primary market. However, once allotted, the securities can thereafter be sold and purchased in the secondary market only.

A security emerges in the primary market, but its subsequent movement takes place in the secondary market. Secondary market is represented by stock exchanges in the capital market. Stock exchanges provide an

organized market place for investors to trade in securities. A stock exchange permits the prices of the securities to be determined by the market forces. The bidding process flows from demand and supply, underlying each security. This means that the specific price of a security is determined, more or less, in the manner of an auction. Stock exchange provides a market in which the members (share brokers) and investors participate to ensure liquidity to the latter. At present, there are 22 stock exchanges operating in India. Approved Stock Exchanges in India as follows:

1. Meerut Stock Exchange, Meerut (UP)
2. UP Stock Exchange, Kanpur (UP)
3. Mumbai Stock Exchange, Mumbai (Maharashtra)
4. Over the Counter Exchange of India, Mumbai (Maharashtra)
5. National Stock Exchange, Mumbai (Maharashtra)
6. Pune Stock Exchange, Pune (Maharashtra)
7. Ahmedabad Stock Exchange, Ahmedabad (Gujarat)
8. Sourashtra Stock Exchange, Rajkot (Gujarat)
9. Vadodara Stock Exchange, Vadodara (Gujarat)
10. Bangalore Stock Exchange, Bangalore (Karnataka)
11. Canara Stock Exchange, Mangalore (Karnataka)
12. Bhubaneshwar Stock Exchange, Bhubaneshwar (Orissa)
13. Calcutta Stock Exchange, Calcutta (West Bengal)
14. Delhi Stock Exchange, Delhi.
15. Guwahati Stock Exchange, Guwahati (Assam)
16. Hyderabad Stock Exchange, Hyderabad (Andhra Pradesh)
17. Jaipur Stock Exchange, Jaipur (Rajasthan)
18. Ludhiana Stock Exchange, Ludhiana (Punjab)
19. Chennai Stock Exchange, Chennai (Tamil Nadu)
20. Coimbatore Stock Exchange, Coimbatore (Tamil Nadu)
21. MP Stock Exchange, Indore (Madhya Pradesh)
22. Magadh Stock Exchange, Patna (Bihar)
23. Capital Stock Exchange, Kerala Ltd. Tiruvananthapuram (Kerala)
24. Cochin Stock Exchange, Cochin (Kerala)

Secondary market in India got a boost when Over The Counter Exchange of India (OTCEI) and National Stock Exchange (NSE) were established. It may be noted that NSE and OTCEI have been established by the all India Financial Institution, while other stock exchanges are in the form of associations.

### **Methods of Raising Capital**

**Shares:** Otherwise known as 'ordinary shares' these are shares in the issued capital of company which are held on terms that make the holder a 'member' of the company, entitled to vote at annual meetings and elect directors, and to participate through dividends in the profits of the company. The holders of the ordinary shares carry the residual risk of the business: they rank after debenture holders and preference shareholders for the payment of dividends and they are liable for losses, although this liability is limited to the value of the share and to the limit of guarantee given by them.

**Debentures:** Fixed-interest securities issued by limited companies in return for long-term loans. The term is sometimes also used to refer to

any title on a secured interest– bearing loan. Debentures are dated for redemption (i.e. repayment of their nominal value by the borrower to the holder), debentures are usually secured. Debenture interest must be paid whether the company makes a profit or not. In the event of non-payment debenture holders can force liquidation and rank ahead of all shareholders in their claims on the company's assets. The interest which debentures bear depends partly on long-term rates of interest prevailing at the time and partly on the type of debenture, but will in any case, because of the lower risk involved is less than borne by preference shares. Debenture shares are most appropriate for financing companies whose profits are stable and which have substantial fixed assets, such property companies. Convertible debentures: These carry an option at a fixed future date to convert the stock into ordinary shares at a fixed price. This option is compensated for by a lower rate of interest than an ordinary debenture, but convertible debentures are attractive since they offer the investor, without sacrificing his security, the prospect of purchasing equity shares cheaply in the future. For this reason, convertible debentures are issued at a time when it is difficult to raise capital either by equity or fixed interest securities. There are three ways in which a company may raise capital in the primary market.

### **PUBLIC ISSUE**

By far the most important mode of issuing securities, a public issue involves sale of securities to the public at large. A company making a public issue informs the public about it through statutory announcements in the newspapers, makes application forms available through stock brokers and others and keeps the subscription open for a period of three to seven days. If the issue is over-subscribed, the pattern of allotment is decided in consultation with the stock exchange where the issue is proposed to be listed.

After the allotment pattern is finalized the company mails the allotment advice/letter along with refund order, if any. This is supposed to be done within 10 weeks of the closure of subscription. If the full amount is not asked for at the time of allotment, the balance is called in one or two calls later. The letter of allotment is exchangeable for share certificates (or debenture certificates, as the case may be), after it is duly stamped by the bank where the balance payment is made.

Of course, if the allottee wants he can sell the letter of allotment itself by transmitting it along with a transfer deed. If the allottee fails to pay to call money as and when called by the company, the shares are liable to be forfeited. In such a case, the allottee is not eligible for any refund of the amounts already paid. While a new company set up by promoters without a track record is required to issue its shares at par, other companies are allowed to make a public issue at a premium.

### **Right Issue**

A right issue involves selling securities in the primary market by issuing rights to the existing shareholders. When a company issues additional equity capital, it has to be offered in the first instance to the existing shareholders on a pro rata (proportional) basis. This is required under Section 81 of the Companies Act 1956. The shareholders however, may

*Financial Management* by a special resolution forfeit this right, partially or fully, to enable a company to issue additional capital to the public.

*Notes*

### **Private Placement**

In a private placement, funds are raised in the primary market by issuing securities privately to some investors without resorting to underwriting (insurance against risk by a guarantor). The investors in this case may be financial institutions, commercial banks, other companies, shareholders of promoting companies, and friends and associates of the promoters.

### **Group A and Group B Shares**

The listed shares are divided into two categories: Group A shares (also referred to as cleared securities or specified shares) and Group B shares (also referred to as non-cleared securities or non-specified shares).

For Group A shares, the facility for carrying forward a transaction from one account period to another is available; for Group B shares, it is not. Group A shares basically represent large, well-established companies that have a broad investor base and are very actively traded. Since transactions in these shares can be carried forward, these shares attract a lot of speculative trading.

This seems to be the reason why these shares, other things being equal, tend to command higher price-earning multiples. This is clear from the fact that whenever a share is moved from Group B to Group A, its market price rises; likewise, when a share is shifted from group A to Group B market price declines.

The Mumbai Stock Exchange employs several criteria for shifting stocks from the non-specified list to the specified list. The key ones are that the company must have an equity base of Rs. 10 crore, a market capitalization of Rs. 25–30 crore, a public holding of 35 to 40 percent, a shareholding population of 15,000 to 20,000 a dividend paying status and a good growth potential.

## **SECURITIES AND EXCHANGE BOARD OF INDIA (SEBI)**

In 1988, SEBI was created by an administrative fiat of the Ministry of Finance. Since then SEBI has gradually been granted more and more powers. With the repeal of the Capital Issues Control Act and the enactment of the SEBI Act in 1992, the regulation of the primary market has become the preserve of SEBI. Further, the Ministry of Finance has transferred a number of powers under the Securities Contracts (Regulation) Act 1956 also to SEBI. Before the establishment of the SEBI, the principal legislations governing the securities markets in India were the Capital Issues Control Act 1956 (governing the primary market) and the Securities Contract (Regulation) Act 1956 (governing the secondary market). The regulatory powers were vested with the Controller of Capital Issues (for the primary market) and the Stock Exchange Division (for the secondary market) in the Ministry of Finance, Government of India.

### **Functions**

1. The SEBI Act armed SEBI with statutory powers.
2. It has entrusted SEBI with the responsibility of dealing with various matters relating to the capital market.

**SEBI's principle tasks are to:**

1. Regulate the business in stock exchanges and any other securities market.
2. Register and regulate the working of capital market intermediaries (brokers, merchant bankers, portfolio managers and so on).
3. Register and regulate the working of mutual funds.
4. Promote and regulate self-regulatory organizations.
5. Prohibit fraudulent and unfair trade practices in securities markets.
6. Promote investors' education and training of intermediaries of securities markets.
7. Prohibit insider trading in securities.
8. Regulate substantial acquisition of shares and take-over of companies.
9. Perform such other functions as may be prescribed.

**Trading Procedure at Stock Exchanges**

Securities can be traded at a stock exchange only if it is listed at that stock exchange or any of the other stock exchanges. Listing is a procedure by which, the issuing company has to enter into an agreement, called the listing agreement, with a stock exchange and has to abide by the clauses of the listing agreement regarding disclosure of information, payment of listing fees redressal of investor's grievance etc.

Once listed, the security can be traded at other stock exchanges too. The sale and purchase (transaction) of securities at the stock exchange can be done only through registered share brokers. An investor desiring to enter into a transaction has to place an order with one of the share brokers. In the 'outcry' system where the brokers used to shout, the deals are confirmed in few hours but in the screen-based system, the deals are confirmed immediately. The investor then gives the delivery of the securities in case of sale, or makes the payment in case of purchase of security, to the stock broker.

The stock broker in turn makes the payment for the securities sold or delivers the security certificate purchased on the completion of settlement programme of the stock exchange. Generally, it takes 15 to 20 days for completion of the transaction. The National Stock Exchange and the Over The Counter Exchange of India (OTCEI) have been operating since their inception at the national level through satellite-linked computer based system. To be in tune with the NSE, the stock exchanges at Mumbai, Delhi, Ahmedabad, and Calcutta, have already converted their operations from the 'outcry' system to the computerised one. The transactions at these stock exchanges now take place through computer based online screen system.

**Recent Trends in Capital Market**

In recent years, Non-Banking Finance companies, variously called as "finance companies or corporations". Finance companies have mushroomed all over the country and have been making rapid progress. These finance companies or corporations, with very little capital of their own—less than Rs. 1 lakh have been raising deposits from the public by offering attractive rates of interest and other incentives. They advance loans to wholesale and retail traders, small-scale industries and self employed persons. Bulk of their loans is given to parties which do not either approach commercial banks or are denied credit facilities by the

latter. The finance companies give loans which are generally unsecured and the rate of interest charged by the then generally range between 24 to 36 percent per annum.

The number of official stock exchanges (SEs) in India has increased from nine in 1979–80 to 23 as at the end of March 2003. In fact, the number of SEs has remained to be 23 during 1993-94 to 2000-03. India has not the largest number of organized and recognized SEs in the world. All of them are regulated by the SEBI. They are organized either as voluntary, non-profit-making associations (viz., Mumbai, Ahmedabad, Indore), or public limited companies (viz., Calcutta, Delhi, Bangalore), or company limited by guarantee (viz., Chennai, Hyderabad).

The BSE is the premier or apex stock exchange in India. It is the biggest in size in terms of the amount of fresh capital raised, secondary market turnover and captialisation and the total listed companies and their paid-up capital. It is also the oldest market and has been recognized permanently, while the recognition for other exchanges is renewed every five years. Its business is no longer confined to Mumbai alone; at the end of 1997, there were 100 other cities in which it had set up business.

The NSEI has a fully automated, electronic, screen-based trading system. It is sponsored by the IDBI and co-sponsored by other term-lending institutions, LIC, GIC, other insurance companies, commercial banks, and other financial institutions; viz., SBI Caps, SHCIL, and ILFs. Its objectives are : (a) to provide nation-wide equal access and fair, efficient, completely transparent securities trading system to investors by using suitable communication network, (b) to provide shorter settlement cycles and book entry settlement system, (c) to bring the Indian stock market in line with international markets, (d) to promote the secondary market in debt instruments such as government and corporate bonds.

It was set up in 1992 and was the first stock exchange in India to introduce screen-based automated ring less trading system. It is promoted by UTI, ICICI, IDBI, IFCI, LIF, GIC, SBI Caps, and CANBANK as a company under Section 25 of the Companies Act 1956, with headquarters at Mumbai. Its objectives are : (a) to help companies to raise capital from the market at the cheapest costs and on optimal terms; (b) to help investors to access capital market safely and conveniently; (c) to cater to the needs of the companies which cannot be listed on other official exchanges; (d) to eliminate the problems of illiquid securities, delayed settlements, and unfair prices faced by the investors. There are 20 other national and regional exchanges located in metropolitan centers and other cities in India.

## SHARE MARKET TERMINOLOGY

**Ask price:** The lowest price at which a seller is willing to offer a security of the time; also known as the 'offer'. If a person enters a market in order to buy a security, he will usually pay the ask price.

**Bear:** A person who expects prices to fall and sells securities hoping to make a profit by subsequently repurchasing at a lower price.

**Bid:** The price at which someone is prepared to buy shares.

**Brokerage:** Charges made by a broker for acting as a agent in the buying and selling of shares.



**Bull:** A person who buys securities in the expectation that prices will rise and so give him an opportunity to resell on a profit.

**Call option:** An option giving the taker the right, but not the obligation, to buy the underlying shares at a specified price on or before a specified date.

**Depreciation:** Amounts charged to provide for that part of the cost, or book value of a fixed asset, which is not recoverable when it is finally put out of use.

**Dividend:** Distribution of a part of a company's net profit to shareholders as a reward for investing in the company. Usually expressed as percentage of par value or as cents per share.

**Equity:** The general term for ownership in securities value over debit balance.

**Growth stock:** Stock with good prospects for future expansion, which promises capital gain. Immediate income prospects may be modest.

**Limited liability:** The liability of the shareholder in this type of company is limited to the extent of any unpaid capital on his shares.

**Market order:** An order to buy or sell a security at the next available price. A buy order is executed at the lowest price available and a sell order is executed at the highest price available. All market orders are day orders.

**Mutual funds:** Type of investment operated by an investment company that raises money from shareholders and invests it in a portfolio of stocks, bonds, or other securities.

These funds offer investors the advantages of diversification and professional management. For these services they typically charge a management fee, which must be disclosed in the prospectus. Each mutual fund has its own investment objectives and strategies.

**NASDAQ (National Association of Securities Dealers Automated Quotations):** Owned and operated by the NASD, NASDAQ is the computerized network that provides price quotations for securities traded over the counter as well as many listed securities. Open price: The price at which a security starts in a trading day.

**Portfolio:** Investors holding of securities of various types.

Preference shares: Rank above ordinary shares for claims on assets, earnings and dividends but rank below creditors and debenture holders. These shares usually have a fixed dividend rate.

**Premium:** The amount by which a security is quoted or issued above its value. The opposite to 'discount'.

**Security:** An instrument that represents an ownership interest in a corporation (stock), a creditor relationship with a corporation or government body (bond), or rights to ownership through such investment vehicles as options, rights, and warrants.

**Stag:** A person who applies for a new issue of securities with the intention of selling immediately at a profit as opposed to one who invests for long-term holding.

**Par value:** The par value is stated in the memorandum and written on the share script. The par value of equity shares is generally Rs. 10 (the most popular denomination) or Rs.100. As per the SEBI guidelines any

*Financial Management* company coming with new issues from April 2000 onwards the par value of their shares should be of Rs.10 denomination.

*Notes* **Book value:** The book value of an equity share is

$$\frac{\text{Paid up equity capital} + \text{Reserve and surplus}}{\text{Number of outstanding equity shares}}$$

Quite naturally, the book value of an equity share tends to increase as the ratio of reserves and surplus to the paid-up equity capital increases.

**Market value:** The market value of an equity share is the price at which it is traded in the market. This price can be easily established for a company that is listed on the stock market and actively traded. For a company that is listed on the stock market but traded very infrequently. It is difficult to obtain a reliable market quotation. For a company that is not listed on the stock market, one can merely conjecture as to what its market price would be if it were traded.

**Insider trading:** Share market dealing by persons who have 'inside' knowledge of the companies whose shares are transacted. Insiders could be directors or top-level employees or even auditors of the company. Insider trading is a punishable offence in India.

**Commodity futures markets:** One of the components of the Indian securities market is the commodity futures markets. This functions through the introduction of nationwide electronic trading and market access, as was done of the equity market during 1994–96. For the transactions there new exchanges have come about: National Commodity Derivative Exchange (NCDEX), Multi Commodity Exchange (MCX) and National Multi Commodity Exchange (NECE). The National Commodity Derivative Exchange has emerged as the largest commodity futures exchange.

#### **Main Share Price Index in Famous Share Market of the World**

Mumbai — DOLEX, SENSEX, S and PCNX, NIFTY FIFTY

New York — DOW JONES

Tokyo — NIKKEI

Frankfurt — MID DAX

Hong Kong — HANG SENG

Singapore — SIMEX, STRAITS TIMES

**Sensex:** The Stock Exchange Sensitive Index (popularly referred to as the SENSEX) reflects the weighted arithmetic average of the price relative to a group of shares included in the index of sensitive shares. For example, Bombay Stock Exchange Sensitive index is a group of 30 sensitive shares.

#### **Name of share price indices changed**

On 28 July, 1988, main share price indices have been renamed as follows:

Old Name      New Name

NSE – 50 — S and PCNX Nifty

Crisil 500 — S and PCNX–500

#### **Money Market**

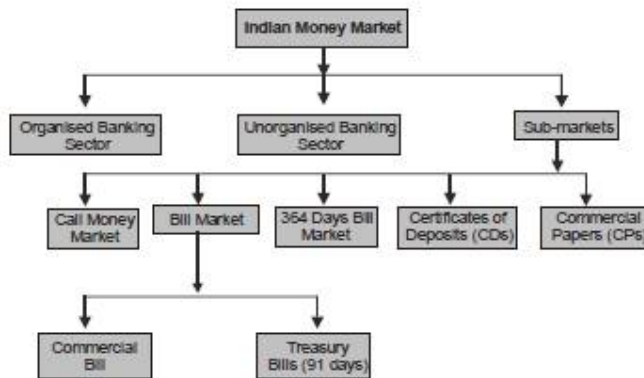
Money market is one of the part of Indian financial market which provides short-term financial requirements of the industrial and business

concern. Money market again subdivided into the following categories on the basis of the instruments used in the money market.

A well-organised money market is the basis for an effective monetary policy. A money market may be defined as the market for lending and borrowing of short-term funds. It is the place where the short-term surplus investable funds at the disposal of banks and other financial institutions are bid by borrowers comprising companies, individuals and the government. The Reserve Bank occupies a pivotal position in the Indian money market as it controls the flow of currency and credit into the market. The Indian money market is classified into the following ways:

Indian money market consists of two parts: The unorganised and the organised sectors. The unorganised sector consists of indigenous bankers who pursue the banking business on traditional lines. The organised sector comprises the Reserve Bank, the State Bank of India and its associate banks, the 19 nationalised banks and other private sector banks, both Indian and foreign. The organised money market in India has a number of sub-markets such as the Treasury Bills Market: the Commercial Bills Market and the Inter-Bank Call Money Market. On the recommendations of the Sukhmoy Chakravarty Committee on the Review of the working of the Monetary System, the RBI has initiated a series of money market reforms. The Narasimhan Committee report on the Working of the Financial System in India, (1991) also made important recommendations on the Indian money market. As par of its anti-inflationary policy, the RBI has followed a strict policy of interest rate control and regulations. Deposit rates of banks, lending rates of banks and financial institutions in fact, all kinds of interest rates were subject to strict control and regulation by the RBI. Since 1988, the RBI has removed the ceiling stipulation (of 16.5% per annum) for all bank advances and instead has fixed a minimum of 16% per annum.

Banks have been asked to ensure that the interest rates charged remain within reasonable limits. Subsequently, the ceiling on interest rates on inter-bank call and short notice money, inter short-term deposits, bills rediscounting and inter-bank participation were removed from May 1989 and the rates were permitted to be determined by market forces.



**Indian Money Market**

**1. Call money market:** It is the market for very short-term funds repayable on demand and with the maturity period is less than 15 days.

Call money market is mainly located in major industrial and commercial areas like Delhi, Mumbai, Kolkatta, Chennai and Ahmedabad.

**2. Treasury bill market:** Treasury bills are also one of the short-term financial instruments, which deal in money market. Treasury bill is a kind of finance bill or promissory note issued by the government to raise short-term funds. Treasury bills duration vary from 14 days to 364 days. Traditionally, the Indian money market had suffered from inadequacy of short term credit instruments. On the recommendations of the Vaghul Working Group, the RBI has introduced many new money market instruments.

**Treasury bills:** Instruments for short-term borrowing by the government. The bills are promissory notes to pay to the bearer after the maturity period. The bills are issued by tender to the Money Market and to Government Departments.

Tenders are invited every week from bankers, discount houses and brokers. The Treasury Bills provide the government with a highly flexible and relatively cheap means of borrowing money to meet its fluctuating needs for cash.

In the past there were only 91 days treasury bills, which were traded in the Indian money market. The new instruments introduced by the RBI are: 182 days treasury bills, 364 days treasury bills, longer maturity treasury bills, dated Governments securities, certificates of deposits and commercial paper.

At one time, the demand for the treasury bills by commercial banks was solely governed by Statutory Liquidity Ration (SLR) considerations. This is not true anymore. Besides, the secondary market transactions in them are being increasingly driven by the felt-need for effective management of short-term liquidity by the commercial banks.

182 days treasury bills were variable interest bills and were sold through fortnightly auctions. The yield of these long-dated papers had become attractive for a highly liquid instrument. These were replaced by 364 days treasury bills. 364 days treasury bills there is a considerable scope for banks and financial institutions to be interested in long-dated bills, as they are far superior to their loan assets and investments which cannot be easily liquidated in times of need, without incurring heavy losses. The 364 days Treasury Bills have thus become an important instrument of Government borrowing from the market and also leading money market instrument in the sense that their yield is most reflective of market conditions. Financial institutions recognise the yield rate on 364 days Treasury Bills—at present around 12.5 to 13 percent—as anchor rate on the basis of which interest rate instruments are floated.

The fortnightly offerings of these bills bring in, annually, about Rs. 20,000 crores to the Government. These bills are entirely held by the market and RBI does not subscribe to them. RBI introduced two more Treasury Bills in 1997: (i) 14 days 260 Financial Management Intermediate Treasury Bills from April 1997 at a discount rate equivalent to the rate of interest on ways and means advances to the Government of India—these bills cater to the needs of State Governments, foreign central banks and other specified bodies (these have surplus funds which can be invested for very short periods), (ii) A new category of 14 days Treasury

Bills, sold through auction for the first time in June 1997 to meet the cash management requirements of various sections of the economy.

**Dated Government Securities:** The Government of India has also decided to sell dated securities (of 5 year maturity and 10 maturity) on an auction basis. The purpose of this Government decision is:

- (i) to develop dated securities as a monetary instrument with flexible yields;
- (ii) to provide financial instruments to suit investors' expectations; and
- (iii) to meet Government needs directly from the market.

A very interesting development is the introduction of repurchase auctions (Repos, for short), since December 1992, in respect of Central Government dated securities. Repos are now a regular feature of RBI's market operations. One purpose of Repos is to even out short-term fluctuations in liquidity of the money market. When Government securities are repurchased from the market, RBI makes payment to commercial banks and this adds to their liquidity. Repos are developing into a useful instrument to even out sharp fluctuations in the money market.

#### **Discount and Finance House of India Ltd. (DFHI)**

DFHI has been set up as a part of the package of reform of the money market. It fills the long-standing need of a discount house in India, which will buy bills and other short-term paper from banks and financial institutions. In this way, DFHI enables banks and financial institutions to invest their idle funds for short periods in bills and short dated paper. Banks can sell their short-term securities to DFHI and get funds, in case they need them, without disturbing their investments. The DFHI has been very active in the short-term money market and has effectively contributed to the overall stability of the money market.

**3. Commercial bills market:** Another Sub-division of money market is commercial bill market. A commercial bill or a bill of exchange is a short-term, negotiable, and self liquidating money market instrument. It may be classified into clean bills, document bills, inland bills, foreign bills, accommodation bills and supply bills etc.

**Commercial Paper (CP)** The commercial paper (CP) is issued by companies with a net worth of Rs. 5 crores. The CP is issued in multiples of Rs. 25 lakhs subject to a minimum issue of Rs. 1 crore. The maturity of CP is between 3 to 6 months. The CPs are issued at a discount rate is freely determined. The maximum amount of CP that a company can raise was limited to 20% (now raised to 30%) of the maximum permissible bank finance. The purpose of introducing CP is to enable high-level corporate borrowers to diversify their sources of short-term borrowings on the one hand, and provide an additional instrument to the banks and financial institutions in the money market, on the other.

**4. Certificate of deposits (CDs):** The CDs are another important instrument of money market. They are issued by banks in multiples of Rs. 25 lakhs subject to a minimum amount of Rs. 1 crore. The maturity is between 3 months and one year. They are issued at a discount to the face value and the discount rate is freely determined according to market conditions. CDs are freely transferable after days from the date of issue.

*Financial Management* **Money Market Mutual Funds(MMMFs)**

*Notes*

In April 1992 the Government announced the setting up of Money Market Mutual Funds (MMMFs) with the purpose of bringing Money Market instruments within the reach of individuals. Scheduled commercial banks and public financial institutions would set up the MMMFs. The shares/units of MMMFs would be issued only to individuals. In this respect, they will differ from UTI and other mutual funds which have been mobilizing the savings of the middle classes (and also of others including companies) for investment in equities in the capital market.

Mutual funds have emerged as an important segment of financial markets in India, especially following the initiatives taken by Government in the 1999–2000. Budget to resolve problems associated with UTIs US 64 scheme and to liberalise tax treatment of incomes earned through mutual funds. The now plays a crucial role in channeling savings of millions of individuals/households from different parts of the country into investment in both equity and debt instruments.

The mutual fund industry has witnessed several innovations in the current financial year. The monetary and credit policy for 1999–2000 has permitted money market mutual funds to offer cheque writing facility to unit holders. Some of the Mutual Funds have introduced limited cheque writing facility by allowing its unit holders to issue cheques against a savings account with a designated bank.

The Mid-term Review of Monetary and Credit Policy announced the decision to permit scheduled commercial banks to offer “cheque writing” facility to Gilt Funds and those Liquid income Schemes of Mutual Funds which predominantly (not less than 80 percent of the corpus) invest in money market instruments. Another significant development related to the emergence of sector funds targeting sectors such as information technology, pharmaceuticals, fast moving consumer goods, etc. Equally important was the emergence of Dedicated Gilt Fund envisaging 100 percent investment in Government securities, which has made the Gilt Market accessible to small investors. In order to promote dematerialization, the mutual fund industry introduced an innovative product facilitating investment solely in dematerialized securities and exchange of any security in dematerialised segment for the units of the scheme.

**Venture Capital Funds (VCFs)**

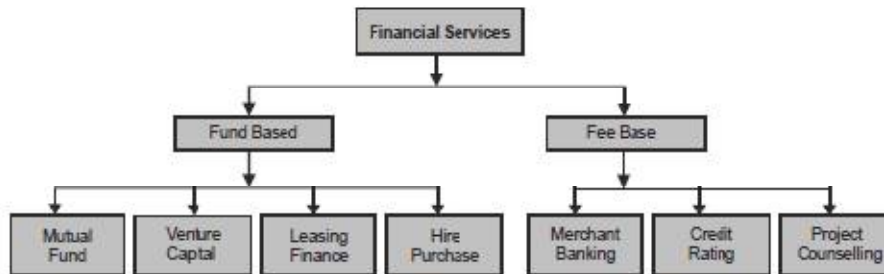
The Union Budget for 1999–2000 stressed the need for higher investment in venture capital activity (investment in economic activities where risk is high and there is considerable innovation involved e.g. in the knowledge based enterprises). As it is difficult to access capital market to raise funds for technology development/demonstration, especially for small and medium industries, VCF has a major role to play in this area.

The National Venture Fund for Software and IT industry (NVFSIT) launched in the current financial year merits mention in this context. The Small Industry Development Bank of India (SIDBI) Venture Capital Ltd. (SVCL) manages NVFSIT, which is a wholly owned subsidiary of SIDBI. In the backdrop of these developments, SEBI initiated a process

of interaction with industry participants and experts to identify the various issues and key areas for the development of the VCF industry in India.

### Financial Services

Financial Services are the another and unavoidable component of the financial system of the country. Normally financial services are provided by the non-banking financial companies and later it is called as non-banking financial service companies. Financial services are divided into two major categories such as:



### Financial Services

#### Fund Based Financial Services

Fund based financial services such as leasing, venture capital, hire purchasing, insurance and mutual funds etc. Because, these services are related to the funds transfer from one place to another place and one person to another person.

#### Fee Based Financial Services

Fee based financial services such as merchant banking, underwriting, project counseling, credit rating etc., because, these services such as merchant banking, underwriting, project counseling, credit rating etc., because, these services are not related to any funds transfer activities.

#### Non-banking Finance Companies (NBFC)

The categories of NBFCs and the nature of their main activities currently being followed by the RBI, which are very similar to the ones discussed by the Shah Working Group, are as follows:

1. Equipment leasing company (ELC) means any company which is carrying on as its principal business, the activity of leasing of equipment or the financing of such activity.
2. Hire-purchase finance company (HPFC) means any company which is carrying on as its principal business, hire-purchase transactions or the financing of such transactions.
3. Housing finance company (HFC) means any company which is carrying on as its principal business, the financing of the acquisition or construction of houses including the acquisition or development of plots of land in connection therewith.
4. Investment company (IC) means any company which is carrying on as its principal business, the acquisition of securities.
5. Loan company (LC) means any company which is carrying on as its principal business, the providing of finance whether by making loans or advances, or otherwise for any activity other than its own. This category does not include an equipment leasing company or a hire-purchase finance company or a housing finance company.

6. Mutual benefit financial company (MBFC) means any company which is notified by the Central Government under Section 620A of the Companies Act 1956 (1 of 1956).

7. Miscellaneous non-banking company (MNBC) means a company carrying on all or any of the following types of business :

(a) Managing, conducting or supervising as a promoter, foreman or agent of any transaction or arrangement by which the company enters into an agreement with a specified number of subscribers that every one of them shall subscribe a certain sum in installment over a definite period and that every one of such subscribers shall in his turn, as determines by lot or by auction or by tender or in such other manner as may be provided for in the agreement be entitled to the prize amount.

(b) Conducting any other form of chit or kuri which is different from the type of business referred to above. Undertaking or carrying on or engaging in or executing any other business similar to the business referred to above.

8. Residuary non-banking company (RNBC) means a company which receives any deposit under any scheme or arrangement, by whatever name called, in one lump sum or in installments by way of contributions or subscriptions or by sale of units or certificates or other instruments, or in any other manner and which according to the definitions contained in the Non-Banking Financial Companies (Reserve Bank) Directions, 1977 or as the case may be, the Miscellaneous Non-Banking Companies (Reserve Bank) Directions, 1977 is not an insurance company or a company belonging to one to seven at the previous page.

### **REVIEW QUESTIONS**

1. Define financial system? Explain the major component of financial system?
2. Discuss various classification of banking as per the RBI Act? Explain the role of NBFIs in Indian economy?
3. What is financial market? Explain the money market instrument?
4. What are the major stock market instruments? Discuss the stock market performance in India.
5. What are financial services? Explain the different categories of financial services provided by the NBFC.
6. Discuss the role of Life Insurance Corporation of India.

### **FURTHER READINGS**

1. Financial Management – Prasanna Chandra
2. Basic Financial Management-Khan And Jain
3. Financial Management- I. M. Pandey
4. Financial Management -Eugene F. Brigham, Phillip R. Daves
5. Financial Management -Aman Khan, W. Bartley Hildreth



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