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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. HARSHA D (11A16MBA18) MBA II year student of Acharya Institute of Technology Bangalore has successfully carried out his project work on "A STUDY ON CAPITAL BUDGETING AT ITL PVC PIPES PVT LIMITED" in our organization from the date of 14th January 2018 to 24th March 2018

During his tenure he was very regular, attentive and hard working. His character and conduct was satisfactory.

We wish him the best to his future endeavors.

FOR TTL PVO PIPES PVT. LTD

For TL PVC Pipes Pvt. Ltd. Authorised signatory Authorised Signature ACHARYA INSTITUTE OF TECHNOLOGY (Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

Date: 25/05/2018

CERTIFICATE

This is to certify that Mr. Harsha D bearing USN 11A16MBA18 is a bonafide student of Master of Business Administration course of the Institute 2016-18 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Capital Budgeting of the Company ITL PVC Pipes Pvt. Ltd, Bangalore" is prepared by him under the guidance of Prof. Swarupa Ranjan Panigrahi in partial fulfillment of the requirements for the award of the degree of Master of Business Administration, Visvesvaraya Technological University, Belagavi, Karnataka.

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DECLARATION

I, Harsha D, hereby declare that the Internship report entitled "A study on Capital Budgeting" with reference to "ITL PVC Pipes Pvt. Ltd, Bangalore" prepared by me under the guidance of Prof.Swarupa Ranjan Panigrahi., faculty of M.B.A Department, Acharya Institute of Technology and external assistance by Mr. Rajesh, Accounts Dept. at ITL PVC Pipes Pvt. Ltd, Bangalore.

I also declare that this Internship work is towards the partial fulfilment of the universityregulations for the award of degree of Master of Business Administration by Visvesvaraya Technological University, Belgaum.

I have undergone a summer project for a period of Ten weeks. I further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University / Institution.

Place: Bangalore Date: 29/5/18 Harsha D (11A16MBA18)

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Executive summary

Capital budgeting is the process of analyzing and ranking proposed projects to determine which ones are deserving of an investment. The result is intended to be a high return on invested funds. ... Determines the impact of an investment on the throughput of an entire system.

The PVC industry supports an integrated waste management approach under the concept of Eco-efficiency. The concept of Eco-efficiency is promoted by the World Business Council for Sustainable Development, and it is further adapted here according to the goal of this study.

It's the white plastic **pipe** commonly used for plumbing and drainage. **PVC** stands for polyvinyl chloride, and it's become a common replacement for metal **piping**. **PVC's** strength, durability, easy installation, and low cost have made it One of the most widely used plastics in the world.

They are easy to install, strong and durable and, when they eventually reach the end of their service life, they can be recycled back into new **PVC pipes**. As a result, **PVC pipe** systems are very cost efficient. Until the late 1990s heat stabilisers based on lead salts were widely **used** to make **PVC pipes**.

PVC/CPVC – rigid plastic pipes similar to PVC drain pipes but with thicker walls to deal with municipal water pressure, introduced around **1970**. PVC stands for polyvinyl chloride, and it has become a common replacement for metal piping.

CHAPTER 1

1.1 INTRODUCTION

The term Capital Budgeting alludes to long haul making arrangements for proposed capital cost and their financing. It incorporates raising long haul reserves and their usage. It might be characterized as a company's formal procedure of obtaining and venture of capital.

Capital Budgeting May likewise be characterized as "The basic leadership process by which a firm assesses the buy of major settled resources. It includes company's choice to contribute its present assets for expansion, attitude, adjustment and substitution of settled resources.

It bargains only with speculation proposition, which a basically long haul extends and Is worried about the distribution of association's associations rare monetary assets among the accessible market openings

A portion of cases in Capital Expenditure are

- (i) Cost of obtaining of lasting resources as land and structures.
- (ii) Cost of expansion, extension, change or adjustment in the settled resources.
- (iii) R&D venture cost, and so on.,

Definitions:

"Capital planning is long haul making arrangements for making and financing proposed capital costs

T.HORNGREEN

"Capital planning is worried about portion of the association's rare money related assets among the accessible market openings. The thought of venture openings. The thought of venture openings includes the examination of the normal future surges of profit from a task with prompt and consequent floods of consumptions for it". In any developing concern, capital planning is pretty much a constant procedure and it is completed by various useful zones of administration, for example, generation, advertising, designing, money related administration and so forth. All the significant utilitarian divisions assume an essential part in the capital planning choice procedure of any association, yet for now, just the money related parts of capital planning choice are considered.

The part of a fund director in the capital planning fundamentally lies during the time spent basically and inside and out examination and assessment of different elective recommendations and after that to choose one out of these. As officially expressed, the fundamental targets of monetary administration is to expand the abundance of the investors, along these lines the destinations of capital planning is to choose those long haul venture extends that are relied upon to make top level input to the abundance of the investors over the long haul.

1.2 INDUSTRY PROFILE

Introduction:

Plastic have turned out to be synonymous with present day living. It is without a doubt an item, which has infiltrated broadly into the basic man's life. No big surprise the business has accomplished as far as supply of crude material extension and enhancement of preparing abilities and assembling of handling hardware and gear.

This adaptable material with its predominant characteristics, for example, light weight, simple process capacity erosion opposition, vitality protection, no lethality and so on numerous substitute to a substantial degree numerous customary and exorbitant modern materials like wood, metal, glass, jute, foam and so forth., later on. The complex utilizations of plastics in the field of vehicles, hardware, electrical, bundling and agribusiness give enough proof of the tremendous utility of plastics.

At 80 percent of aggregate necessity for crude material and a wide range of plastic machines required for the business are indigenously accessible. The present interest in all the three sections of the business in particular creation of crude materials, development and broadening of preparing limits, assembling of handling hardware and subordinate gear is Rs.1250 crores and it gives work to in excess of eight lakh individuals.

Because of their intrinsic favorable position in properties and flexibility in reception and utilize, plastics have come to assume a fundamental part in an assortment of utilizations, the world over. In our nation, plastics are utilized as a part of making basic shopper products of every day use for basic man, for example, containers, shopping sacks, water packs, water bottles, school sacks, tiffen boxes, hair brushes, tooth brushes, exhibition casings and wellspring pens, they likewise discover applications in field like bundling, vehicles, and transportation,

designing, gadgets, broadcast communications, resistance, pharmaceutical, and building and development. Plastics are developing in significance in horticulture and water administration.

The Govt. of India perceiving the significance of plastics in farming designated on March seventh, 1981 a National Committee on the utilization of plastics in agribusiness under the chairmanship of Dr.G.V.K.Rao. This council has gauge an enormous development of dribble water system through a net work of plastic pipes and tubes. As its would see it extensive scale reception of water system would prompt games sought after for PVC channels, L.D.P.E tubes and polypropylene producers. The council made various proposals for advancing the utilization of plastics, which at display is low. The inflexible channels, adaptable pipes and sheeting, which are being utilized for agrarian activities to do water place to put and furthermore coating of lakes and supplies to diminish leakage and most imperative in dribble water system framework.

Fare of plastics merchandise:

Plastics have superb possibilities. Our nation is outfitted with all sort of handling apparatus and talented work and undoable, and additional to support send out, completed plastics items will yield rich isolated.

Today India sends out plastic items to upwards of 80 nations everywhere throughout the world. The fares, which were stale at around rest 60-70 centers for every annum twofold to 129 cavities. The Plastic business has responded to the call of accomplishing a fare focus of Rs.17 centers.

Real fare markets for plastic items and tile are Australia, Bangladesh, Canada, Egypt, Hong Kong, Italy, Kuwait, Federal Republic of Germany, Sri Lanka, Sweden, Taiwan, U.K., U.S.A., and Russia.

With view to boosting the fare, the plastics and tile's fare advancement board has encouraged the legislature to diminish import obligation of plastic crude material, supply indigenous crude materials at universal costs, settle obligation, disadvantages on weighted

normal premise and charge cargo rate on plastic items on weights premise rather than volume premise.

Prospects:

The Production of different plastics a crude materials in the nation is relied upon to twofold before the finish of seventh arrangement, the utilization of item plastics including LDPE, HDPE, PP, PS AND PVC is massive degree for the utilization of plastics in farming, gadgets, vehicle, media communications and water system and along these lines, the plastic business is on the limit of a hazardous development.

Part of plastics in national economy

Plastics are got seen as simply straightforward vivid family unit items in the mind so basic individual. A predominant piece of the plastics of the percent and future discover their usage in the regions.

- Agriculture, ranger service and water-administration.
- Automobile and transportation
- Electronics and broadcast communications, structures, development

and.

- Food preparing and bundling
- Power and gas merchant.

1.3 Significance of Pipes Industry

We might take a gander at the fundamental information about plastics and especially those properties, which are thus, intertwine in commonsense working with plastics. Plastics are man-made materials. The most seasoned crude material for delivering plastics is carbonaceous material got from coal tar (benzene, phenol).

Today the dominant part of crude materials are acquired from petroleum concoction source and they can be financially delivered in extensive amounts.

Plastics have changed our reality and step by step they are getting to be vital. They possess their prosperity to entire arrangement of preferred standpoint, which they have over traditional materials, for example,

- Lightweight
- Excellent form capacity
- Attractive hues
- Low vitality necessities for tradition
- Low work and cost of make
- Low upkeep and High quality weight proportion

Financial part:

Agribusiness is the central occupation in India. For the creating nations like India modernization of the farming practices accept urgent places in enhancing the monetary status and the procedure of modernization. Incorporates, use of higher

gainful plastics supplement to more prominent degree assembling of instruments required for new agrarian practices.

The use of poly vinyl chloride pipes in agrarian fields, lesser water drainage, which was overwhelming in before rehearses, with administrations of P.V.C channels, water can be transported effectively with lesser from the place of higher potential to the place of lower water potential.

Directly the progressive attempted in water administration talks much about trickle water system, which is created in Israel and is drilled by all rural based countries on the planet. Dribble water system significantly P.V.C pipes as center instruments of execution with the administrations of this sort, P.V.C funnels one way or the other reinforcing the hands of nation's economy.

A section with the alluded P.V.C funnels supplemented with fitting is utilized as a part of houses for electrical association and other residential purposes. Aside from these two applications it has wide applications even in modern areas. P.V.C channels with much special heart, concoction and physical qualities fill numerous modern needs.

Indeed, even attributes of weight and low cost draw in numerous more applications. Unbending PVC funnels have been fabricated in India from the 60's on imported expulsion lines and there after indigenous arrangement were few channels makes up to 1979-83. At the point when numerous expulsion lines were foreign from secure field, Cincinnati, kraaus-maffi and so forth the Govt. permitted the imports of advanced and high yield plants, which were not accessible indigenously.

1.4 PVC PIPES IN INDIA

Channels items have discovered wide acknowledgment in India and abroad. PVC is one of the more flexible plastics. It can be expelled, formed, calendared and thermoformed into a huge number of outfitted items. The PVC sap can be planned to give an extensive variety of properties running from hand, extreme materials for stack bearing application lime funnels, windows and ways to adaptable materials for items a due as wire and link protection and shooting and ground surface.

PVC items take into account the two insides and outsides. In insides it can be utilized for ground surface, profile and link plate, divider covering secluded office frameworks, houses and furniture. For outsides it is utilized for entryways and windows, fencing segments and framing, material and rain frameworks.

The other outer applications are in the field of water system, versatile water supplies. In the field of water system there are a few techniques to inundate the fields. There are minor water system activities and real water system extends separated from singular sources like wells, tube wells, bore wells. Real water system area little undertakings will have waterways and lift water system plans and so on., will have channels and lift water system plans and so forth., will have pipelines. Bond and GI funnels were the channels utilized as a part of ordinary strategies for water system. Presently a-days PVC channels supplanted the regular funnels and they constituted right around 90% in this regard.

Trickle water system prevalent in the agrarian division particularly in the field of agriculture business editing and green handle houses. The trickle water system idea is ending up more well known with its points of interest like exceptionally yield, water change, less work cost, less manure, less past administration costs, less power costs and numerous more favorable circumstances. The interest for this idea is expanding at a position of 30%-40% for every annum.

Horticulture a dawn industry in the Indian economy is basically subject to the PVC channels or the seawater division and pumping to their water lakes. They are utilizing pipelines of four to five kilometers of 10-16 breadths funnels.

The state Govt. of A.P is utilizing unbending PVC channels for the water system water supplies for as long as couple of years. The state Govt. is creating PVC pipes through APSIDC (Andhra Pradesh State Irrigation Development Corporation) for its lift water system plans. The panchayatraj division is creating channels for open water supply plans. These channels can be utilized for the primary merchants, sub-wholesalers and individual associations.

1.5 COMPANY PROFILE

Introduction:

A dynamic business visionary Sri S P Y Reddy was built up a dark channels producing organization in 1977 and the name of the organization is Nandi Pipes Pvt Ltd at Bangalore, Kurnool area. ITL PVC Pipes private limited fused in 1994. The manufacturing plant is arranged at Survey No:375, Peenya Industrial zone Bangalore area and it was assumed control by Nandi Group Company. The organization is overseen by group of experts under the direction of youthful, experienced, and all around qualified dynamic overseeing chief Mr. S. Sreedhar Reddy.

Later the organization began assembling of PVC channels which ended the assembling of dark funnels. This brought about the arrangement of private limited organization known "SUJALA PIPES PVT.LTD."

The main real contenders to organization are sudhakar channels, Maharaja pipes. The main background to opposition from neighborhood brands. The most of clients have a place with agriculturists, they think about the quality. The organization needs to make mindful of the organization's quality benchmarks to them.

Top managerial staff:

S.P.Y.Reddy:

Sri S.P.Y.Reddy locally surely understood industrialist with the base at Bangalore, Kurnool region who has been effective business person, he is actually qualified individual with B.E (MEC) from R.E.C (Warangal) and with work involvement with BAARC (Bombay). He has daringly wandered and set up ventures in and around Bangalore from 70's. As years went of he has built up most effectively the accompanying Nandi gathering of organizations:

- Nandi Milk
- Maha Nandi Mineral Water
- Nandi Infosys
- Nandi Online Services
- ITL PVC PIPES PVT LTD.
- Integrated Thermos Plastic Ltd.
- Nandi PVC Projects.

Promoter:

Sri S Sreedhar Reddy, a PC build and an understudy of IIM, Ahemadabad has been depended the administration of ITL PVC PIPES PVT LTD., and extraordinary help and an awesome up and coming specialist and industrialist.

Branches:

- Pondicherry
- ➢ Bangalore
- ▹ •Bellary
- ▹ •Sangli
- > Vellore
- ➤ Goa
- ➢ Kerala

Degree:

At demonstrate Andhra Pradesh, parts of southern states of Karnataka, Tamilnadu and Kerala are ambit of Sujala Pipes Pvt Ltd.

The association expanded their arrangements in the underneath regions are shown as takes after:

1979 Bangalore Region (polyphone channels)

- 1984.85 Bangalore Region (PVC channels)
- 1985.85 Telangana Region
- 1986.87 Karnataka and Andhra Pradesh

1988.91 Tamilnadu and Karnataka

1991.94 Kerala

Sizes:

Diverse sizes running from $\frac{1}{2}$ to 10 are offered to customers. Without a doubt, even pipes with different checks and sizes are made to suit showed conditions.

Squeezing:

Squeezing accept less basic part into the things like PVC directs in light of the way that the respect space inside can be utilized. For, the inspiration driving cubic space use in trucks while transport, affiliation is grasping the procedure like pipes in channels.

Portion period:

For ruler check the association gets zero credit course of action and items are definitely not

passed on unless cash settlements are made. For ruler and sagar brands credit is qualified up for seven days. The qualification between these brands is a result of brand picture.

Specific bits of knowledge about PVC channels: Ingredients:

PVC gum

D.B.L.S T.B.L.S L.S C.S Satiric Acid Hydro Carbon Calcium Carbonate

Gathering process:

The crucial rough materials are HDPE granules and PP granules. The gathering technique for channels contains mixing distinctive gums close by the shading materials in a mix and the prepared material is reinforced to the extruder. In the extruder, the material is warmed to the required politicizing temperature (190deg. centigrade to 230deg. centigrade) the extruder through the undaunted to shape the pipe. The hot pipe leaving the extruder is cooled in a water shower to hold the last shape.

The pipe leaving the extruder is guided through the water shower suitable trade structure. The temperature of the water is kept up by moving through the cooling towards and with the help of a chilling plant.

`The required length of the pipe is cut with a planetary saw. The cut lengths are

titled by titling units and get helped in the pipe rack attached to the titling plots. Later they are provided autonomously. The association has gone into a particular with its own particular taking care of development.

Channels of spread:

ITL PVC PIPES PVT LTD. has got zero level and single level channel of spread.

ITL PVC PIPES PVT LTD. has a wide arrangement of 350 traders in Andhra Pradesh and who are direct redesignd by association bargains drive and 620 dealers in South India.

Transportation:

Transportation vehicles of ITL PVC PIPES PVT LTD. predominate the task force of the contender's vehicle. This remarkable nature of the affiliation enables the movement structure to be capable. This event makes the vendors reduce stock levels to the base. The dealers are furthermore supplemented with the upside of the lower paid up capital as stock.

ITL PVC PIPES PVT LTD:

ITL PVC PIPES PVT LTD. was participated in the year Feb 1994. The preparing plant is orchestrated at Survey No:375, Peenya Industrial Area, second Stage, Bangalore locale. It was accepted control by Nandi store up association, and it is one of the sister association among the Nandi social events.

Its yearly creation confine is 18,000 mts. Likewise, it is one of the primary producers of PVC pipes in south India. This association is outfitted with particular composed exertion from Batten field of West Germany. It has made possible couple of other little ventures. Channels are sold under the brand names of MONARCH, KOHINOOR and KRISHNA.

ITL PVC PIPES with their incredible quality, bother free organizations, quality and business use are an unrivaled choice than delicate steel, energized steel, cast iron and plastic pipes.

The association is managed by a term of specialists under the bearing of an energetic, experienced and particularly qualified dynamic directing official Mr. Sreedhar Reddy.

MISSION STATEMENT:

The mission statement of ITL PVC PIPES PVT LTD. is according to the accompanying:

- To be favored stock system associate to out customer.
- To be seen as the best on the planet at we do.

• To make new characteristics in the quality for our customers and laborers.

VISION STATEMENT:

The vision announcement of ITL PVC PIPES PVT LTD. is according to the

accompanying:

"Making new characteristics in quality by participating for you"

Pragmatic authorities of the association:

Cash related office:

Through at first the association pushed toward the outside hotspot for cash related guide, now the financial status of the association is uncommonly strong and is being run just with self reserve beside propels taken for hypothecation of device and stock from SBI Bangalore.

The association takes after cash and pass on methodology for ruler check. The thing isn't passed on until the point that the cash is paid and financial office with the help of promoting office deals with these trades.

Advancing division:

Advancing Department is passing by the Executive Director. Displaying Manager is in charge of all assignments who reports to the Executive Director. Displaying Manager and 35 Sales Representatives are under the control of Executive Director. There are also 20 representatives who need to reply to the business assigns above them.

Singular Department:

The Personal division involves the unobtrusive components of the directors and pros of the affiliation. The affiliation is confined with Sri.S.P.Y.Reddy as the

supervising Director. Two Marketing overseers, cash related administrators, promoting officer and quality control officer who all reports to official boss. Other, than overseers there are thousands workers in the affiliation.

Board including directing boss, official and heads of concerned divisions settles on the enlistment and selections of individuals. Beside the engaging pay rates association gives prosperity card workplaces.

Securing office:

The stupefying condition i.e. suited by the producers of the PVC pipes is lack of sap. Regardless of the way that the lawmaking body of India has figured out how to upgrade the supply conditions of PVC tar, the Indian manufactures could meet only 50 percent of intrigue and remaining 50 percent is met from imports. The genuine petrochemical association is Reliance Petrochemical Ltd. The lead time for the securing of rough materials is 4 days.

The going with lines highlight the HR procedures and practices:

Effective utilization of work.

To give incredible working condition.

To propel current change.

Use of PVC channels:

• Agriculture and water framework designs.

- Rural and urban water supplies plot.
- Tube well bundling.
- Gas and oil supply lines.
- Industrial spouting exchange.
- Sewerage and waste arrangement.
- Air-condition ducting.
- Building foundations.
- Industrial ducting.

<u>1.6 PRODUCT PROFILE</u>

Pipe exhaust structure ordinarily tube molded, for coordinating materials. It is used fundamentally to pass on liquids, gases or solid suspended in a liquid for e.g. slurry and besides used for electric wires. The most timely channels were probably made of bamboo. Used by the Chinese to pass on water c.5000 BC. The Egyptians made the essential metal pipe of copper c.3000 BC until the point when the moment that the cost press ended up being by and large, Copper or bronze. Introduce day materials fuse cast squeeze weight squeeze, steel, copper, metal, spot, strong, wood, and glass, plastic. In lying an oil pipeline, 40'ft (12-m) fragments of reliable steel pipe are electrically welded together while held over a trench. Before being brought down into put the pipe is secured with a cautious paint and wrapped with a substance made out of treated asbestos

felt and fiberglass.

Pumping region discovered 50 to 75 ml (80-120km). An area underpins the decreasing weight fortification as much as 1500'lb for each inch. The diverting must be kept clean either by applying a negative electronic charge to the pipe or by standard usage of a "pig", or scouring ball, inserted toward one side and passed on along by the current. An oil pipe line 6 inches (15 cm) to 24 inches (60 cm) in estimation will move it substance at around 3 to 6 ml (5-10) per hr. Water has moved since old conditions in pipelines called supply conductors.

CHAPTER 2

2.1 REVIEW OF LITERATURE

Introduction

One of the three noteworthy choices settled on by supervisors is the choice to put resources into settled resources. Interests in settled resources include vast capital expenses and the results of these ventures choices affect a company's activities for quite a while. Accordingly an assortment of quantitative and explanatory methods are connected by administrators in venture choice to empower them to use sound judgment around there.

2. Literature

It is wide1y accepted that discounted cash flow methods are the best way to evaluate capital budgeting proposa1s. While several decades ago discounted cash flow methods may not have been wide1y used (Istvan, 1961) more recent studies (Kim, Crick and Kim, 1986) suggest that increasing1y firms are adopting discounted cash flow analysis. Much of the empirical research on capital budgeting practices adopted by corporate managers is based on US data (See for example Mukherjee and Hingorani, 1999.) A few studies such as those by Payne, Heath, and Ga1e (1999), Jog and Srivastava (1995) and Keste et. al (1999), examine capital budgeting practices followed by firms in different countries such as Canada, Australia, Hong Kong, Indonesia, Malaysia, Philippines and Singapore. This study examines managerial behavior and preferences with respect to the capital budgeting decision using a sample of German firms. Our unique sample and the results of our analysis help to fill a gap in finance literature and provide useful information to managers contemplating

German collaborations.

Capital budgeting is the process by which firms determine how to invest their capital. Included in this process are the decisions to invest in new projects, reassess the amount of capital already invested in existing projects, allocate and ration capital across divisions, and acquire other firms. In essence, the capital budgeting process defines the set and size of a firm's real assets, which in turn generate the cash flows that ultimately determine its profitability, value, and viability.

In principle, a firm's decision to invest in a new project should be made according to whether the project increases the wealth of the firm's shareholders. For example, the Net Present value (NPV) rule specifies an objective process by which firms can assess the value that new capital investments are expected to create. As Graham and Harvey (2001) document, this rule has steadily gained in popularity since Dean (1951) formally introduced it, but its widespread use has not eliminated the human element in capital budgeting. Because the estimation of a project's future cash flows and the rate at which they should be discounted is still a relatively subjective process, the behavioral traits of managers still affect this process.

Studies of the calibration of subjective probabilities find that individuals are overconfident in that they tend to overestimate the precision of their knowledge and information (Fischhoff, Slovic, and lichtenstein, 1977; Alpert and Raffia, 1982). In fact, research shows that professionals from many fields exhibit overconfidence in their judgments, including investment

investors (Stae1 von Ho1stein, 1972), engineers (Kidd, 1970), business visionaries (Cooper, Woo, and Dunke1berg, 1988), 1ega1 advisors (Wagenaar and Keren, 1986), mediators (Nea1e and Bazerman, 1990), and chiefs (Russo and Schoemaker, 1992).

A few variables may clarify why administrators may likewise be required to be pompous, particularly in a capital planning setting. In the first place, capital planning choices can be unpredictable. They frequently require anticipating money streams for an extensive variety of questionable results.

Second, capital planning choices are not appropriate for learning. As Kahneman and lovallo (1993, p. 18) note, learning happens "when firmly comparable issues are every

now and again experienced, particularly if the results of choices are rapidly known and give unequivocal criticism." In many firms, administrators occasionally experience real venture strategy choices, encounter long postponements previously taking in the results of activities, and for the most part get uproarious input. Besides, directors regularly experience issues dismissing the idea that each circumstance is new in imperative ways, enabling them to disregard criticism from past choices out and out. Gaining as a matter of fact is very impossible under these conditions (Einhorn and Hogarth, 1978; Brehmer, 1980).

Third, unsuccessful chiefs are less inclined to hold their employments and be advanced. The individuals who succeed may end up presumptuous as a result of a self-attribution inclination. A great many people overestimate how much they are in charge of their own prosperity (Miller and Ross, 1975; langer and Roth, 1975; Nisbett and Ross, 1980). This self-attribution inclination makes effective directors end up careless (Daniel, Hirshleifer, and Subrahmanyam, 1998; Gervais and Odean, 2001).

Fourth, administrators might be more pompous than the all inclusive community in light of a choice inclination. The individuals who are arrogant and hopeful about their prospects as chiefs will probably apply for these employments. In addition, as Goel and Takor (2008) appear, firms may endogenously choose and advance based on presumptuousness, as pompous people will probably have created greatly great results before. At long last, as Gervais, Heaton, and Odean (2009) contend, careless supervisors may basically be simpler to propel than their levelheaded partners thus employing them is all the more engaging firms.

Audits and Appeals of Capital Budgeting

In the corporate back capital planning study writing the capital planning process has been portrayed as far as four phases: (1) distinguishing proof, (2) improvement, (3) determination, and (4) control. The distinguishing proof stage involves the general procedure of undertaking thought age including sources and accommodation techniques and the motivations/compensate framework, assuming any. The advancement organize includes the underlying screening process depending principally upon income estimation and early screening criteria. The choice stage incorporates the itemized venture investigation that

outcomes in acknowledgment or dismissal of the task for financing. At last, the control organize includes the assessment of task execution for both control purposes and constant change for future choices.

Every one of the four phases have normal territories of enthusiasm including work force, techniques, and strategies required, alongside the basis for each. Every one of the four phases are basic to the general procedure, yet the choice stage is seemingly the most required since it incorporates the decisions of logical strategies/methods utilized, how the cost of capital is resolved, how modifications for ventures dangers are evaluated and reflected, and how, if important, capital proportioning influences venture decision. The determination organize has additionally been the most explored by study analysts, especially in the territory of choice methods, bringing about a relative disregard of alternate stages. This thusly has prompted claims to future specialists to consider alternate stages in their study look into endeavors

As Gordon and Pinches (1984) View:

The greater part of the writing regarding the matter of capital planning has underscored the choice stage, giving little scope to alternate stages. Rather, it is typically accepted that an arrangement of very much characterized capital venture openings, with the greater part of the instructive needs unmistakably determined all of a sudden shows up on an official's work area and all that is required is for the administrator to pick the undertaking (s) with the most noteworthy expected result. Nonetheless, as most chiefs rapidly take in, this isn't the situation. Further, once extends are picked, the assessment of an individual undertaking's consequent execution is normally either disregarded or frequently improperly dealt with. Our conflict is that the capital planning process must be seen completely, and the educational needs to help powerful choices must be incorporated with the company's choice emotionally supportive network

2.2 THEROTICAL FRAME WORK

Introduction

Capital Budgeting May likewise be characterized as "The basic leadership process by which a firm assesses the buy of major settled resources. It includes association's choice to contribute its present assets for expansion, air, adjustment and substitution of settled resources.

Highlights of Capital Budgeting:

- The vita1 high1ights, which recognize capita1 p1anning choices in other Day-today choices, are
- Capital planning choices include the trading of current assets for the advantages to be accomplished in future.
- The fates benefits are required and are to be acknowledged over a progression of years.
- > The stores are put resources into non-adaptable long haul reserves.
- > They have a long terms are noteworthy impact on the benefit of the worry.
- They include gigantic assets.
- They are irreversible choices. They are key choices related with high level of hazard.

SIGNIFICANCE OF CAPITAL BUDGETING:

The significance of capital planning can be comprehended from the way that an unsound speculation choice may turn out to be deadly to the very presence of the association. The significance of capital planning emerges fundamentally because of the accompanying:

1. large speculation:

Capital planning choice, for the most part includes expansive speculation of assets. Be that as it may, the assets accessible with the firm are rare and the interest for reserves for surpasses assets. Thus, it is essential for a firm to plan and control its capital consumption.

2. long term duty of assets:

Capital consumption includes extensive measure of assets as well as assets for long haul or a lasting premise. The long haul responsibility of assets builds the budgetary hazard associated with the venture choice.

3. Irreversible nature:

The Capital use choices are of irreversible nature. Once, the choice for procuring a perpetual resource is taken, it turns out to be extremely hard to discard these benefits without bringing about substantial misfortunes.

4. long terms impact on gainfulness:

Capital planning choice has a long haul and huge impact on the productivity of a worry. Not just the present income of the firm are influenced by the interests in capital resources yet in addition the future development and productivity of the firm depends up to the speculation choice taken today. Capital planning choice has most extreme significance to maintain a strategic distance from over or under interest in settled resources.

5. Difficulties of speculation choice:

The long terms speculation choices are hard to be taken in light of the fact that vulnerabilities of future and higher level of hazard.

6. Notional Importance:

Venture choice however taken by singular concern is of national significance since it decides business, financial exercises and monetary development.

VARIABLES INFLUENCING CAPITAL EXPENDITURE DECISIONS:

There are many, factors monetary and also non budgetary which impact the capital use choices and the productivity of the proposition yet, there are numerous different variables which must be mulled over while taking a capital use choice. They are:

1. URGENCY: at times, a venture is to be made because of desperation for the survival of the firm or to maintain a strategic distance from overwhelming misfortunes. In such conditions, appropriate assessment can't be made through productivity tests. Cases of such

criticalness are breakdown of some plant and hardware, fire mishaps and so on.

2. DEGREE OF UNCERTAINITY: benefit is straightforward1y identified with chance, higher the benefits, more prominent is the hazard or vulnerability Sometimes, an undertaking with some lower gainfulness might be chosen because of steady stream of wage when contrasted with another task with an unpredictable and questionable inflow of pay.

3. INTANGIB1E FACTORS: now and then, a capital use must be made because of certain passionate and elusive factors, for example, security and welfare of the specialists, lofty task, social welfare, generosity of the firm and so forth.

4. AVAI1ABI1ITY OF FUNDS: as the capital consumption for the most part requires the arrangements of 1aw is exclusively affected by this factor and in spite of the fact that the venture may not be productive, yet the speculation must be made.

5. AVAI1ABI1ITY OF FUNDS: as the capital consumption by and large requires extensive assets the accessibility of assets is an imperative factor that impacts the capital planning choices. A task howsoever gainful may not be taken for need of assets and a venture with lesser productivity may now and then be favored because of lesser pay back period for need of liquidity.

6. FUTURE EARNINGS: a task may not be productive when contrasted with another today, but rather it might guarantee better future income. In such cases, it might be 1iked to expand future profit

HAZARD AND UNCERTAINITY IN CAPTIAL BUDGETING:

Every one of the procedures of Capital Budgeting require the estimation of future money inflow and money outpouring. The money streams are evaluated, in light of the accompanying variables.

- > Expected monetary existence of the task
- Salvage estimation of the benefit toward the finish of the monetary life
- Capacity of the venture

- Selling cost of the item
- Production cost
- Depreciation rate
- Rate of tax assessment
- ▶ Future request of the item, and so on.,

In any case, because of vulnerabilities about the future, the evaluations of interest, creation, deals, costs, offering cost, and so on can't be correct. For instance an item may end up out of date substantially sooner than expected because of sudden mechanical improvements every one of these components of vulnerabilities must be considered as coercive hazard while taking a choice on venture recommendations. It is maybe the most troublesome errand while settling on a speculation choice. In any case, a few stipends for the component of hazard must be given.

CAPITAL EXPENDITURE CONTROl:

Capital use includes non-adaptable long haul responsibility of assets. The accomplishment of a venture over the long haul relies on the viability with which the administration settles on capital consumption choices. Capital consumption choices are vital as their effect is pretty much changeless on the prosperity and monetary soundness of the undertaking. Since, of its huge scale motorization and robotization and significance of capital use for increment in the productivity of a worry. It has turned out to be fundamental to keep up a powerful arrangement of capital consumption control.

TARGETS OF CONTROL OF CAPITAL EXPENDITURE:

- To make a gauge of capital use and to see that the aggregate money expense is inside the budgetary assets of the venture.
- ➤ To guarantee opportune money inflows for the activities with the goal that non accessibility of money may not be an issue in the execution of the issue.
- > To guarantee that all capital consumption is appropriately authorized.
- To appropriately co-ordinate the undertakings of different offices.
- > To measure the execution of the proj ect.
- To guarantee that adequate measure of capital consumption is caused to keep pace with the fast mechanical advancement.

To avoid over development.

LONG HAUL SOURCES OF FINANCE

It is characteristic marve1 that the firm is dependab1y in deficiency of assets. There are two strategies for raising assets.

- 1) 1ong term sources
- 2) Short term sources.

Capital planning choices include long haul reserves. The diverse long haul wellsprings of fund for the most part took after by organizations are:

- 1) Shares
- 2) Debentures
- 3) Term loans.

OFFERS:

Offers incorporate customary or basic offers and inclination shares. Normal or regular offers are the wellspring of perpetual capital since they don't have a development date. The holders of customary offers are investors or investors are the legitimate proprietors of the organization.

Inclination share is thought to be mixture security as it has numerous highlights of both normal offers and debentures. Inclination offers might be issued with or without development date. The holders of inclination shares get profit at a settled rate and have inclination over normal investors.

DEBENTURES:

Debentures are a long haul promissory note for raising advance capital. The debenture trust deed characterizes the legitimate connection between the issuing organization and the debenture trustee who speak to the debenture holders.

TERM LOANS:

Term advances for over a year development. It is for the most part accessible for a time of 10 years. Enthusiasm on term credits is charge deductable. They are gotten from banks and exceptionally made monetary organizations like IFCI, ICICI IDBI and so forth the reason for term credits is for the most part to fund the organization's capital use. They are for the most part acquired for financing huge extension, modernization or enhancement ventures. Henceforth, this technique for financing is additionally called pro0ject financing. This is the most generally utilized wellspring of financing.

LEASE FINANCING:

A lease is an agreement for the use of an asset for a specified rental. The owner of the asset is called the lesser and the user the lessee. Two important categories of lease are: 1) Operating leases 2) Financial leases

Operating leases are short term cancelable leases where the risk of obsolescence is born by the lesser.

Financial leases are long tern non-cancellable leases where any risk in the use of asset is borne by the lessee and he enjoys the return too.

BUYING OR PROCURING:

Buying or procurement involves purchasing an asset permanently in the form of cash or credit.

Renting (VS) BUYING:

Renting gear has the duty favorable position of devaluation which can commonly profit both the lesser and tenant. Different preferences of renting incorporate accommodation and adaptability and in addition specific administrations to the tenant. Rent demonstrates helpful to those organizations to those organizations which can't get advance capital from typical sources. The advantages and disadvantages of renting and purchasing are to be analyzed altogether before choosing the technique for acquirement i.e., renting or purchasing.

CAPITAL BUDGETING PROCESS:

Capital planning is a mind boggling process as it includes choices identifying with the venture of current assets for the advantage to be accomplished in future and what's to come is constantly indeterminate. Be that as it may, the accompanying method might be embraced during the time spent Capital Budgeting.

Recognizab1e proof of venture proposition:

The capital planning process starts with the recognizable proof of speculation recommendations. The proposition about potential venture openings may begin either from top administration or from any officer of the association. The departmental head examination the different recommendations in the light of the corporate systems and presents the reasonable proposition to the capital consumption arranging.

Screening Proposa1s:

The consumption arranging advisory group screens the different recommendations got from various offices. The panel sees these proposition from different edges to guarantee that these are as per the corporate techniques or choice rule of the firm and furthermore don't lead departmental uneven characters.

Assessment of Various Proposa1s:

The following stage in the capital planning process is to different recommendations.

The strategies, which might be utilized for this reason, for example, payback period strategy, Rate of return technique, N.P.V and I.R.R and so on.

Needs:

In the wake of assessing different proposition, the unfruitful uneconomical proposition might be dismissed however may not be feasible for the firm to put instantly in all the worthy recommendations because of constraint of assets. In this way, it fundamental to rank the ventures/proposition in the wake of thinking about earnestness, hazard and benefit required there in.

LAST APPROVA1 AND PREPERATION OF CAPITAL EXPENDITURE

Financia1 p1an:

Recommendations meeting the assessment and other criteria are at long last endorsed to be incorporated into the capital consumption spending plan. The consumption spending plan sets out the measure of assessed use to be brought about on settled resources amid the spending time frame.

Actualizing Proposals:

Arrangement of a capital use spending plan and joining of a specific proposition in the monetary allowance doesn't itself approve to proceed with the execution of the task. An ask for specialist to spend the sum ought to be made to the capital consumption board of trustees, which surveys the benefit of the task in the changed conditions. Duties ought to be doled out while actualizing the undertaking with a specific end goal to maintain a strategic distance from superfluous postponements and cost overwhelms. System methods like PERT and CPM can be connected to control and screen the usage of the tasks.

Execution Review:

The last stage during the time spent capital planning is the assessment of the execution of the venture. The assessment is made by contrasting genuine and planned uses and furthermore by looking at real foreseen returns. The horrible changes, if any ought to be looked in to and the reasons for the same be distinguished with the goal that remedial move might be made in future.

SORTS OF CAPITAL BUDGETING DECISIONS

The general targets of capital planning are to amplify the productivity of a firm or the arrival on speculation. These targets can be accomplished either by expanding incomes or by decreasing expenses. This, capital planning choices can be extensively ordered into two classifications. 1. Increment income, 2. lessen costs

The primary class of capital planning choices is required to expand income of the firm through development of the generation limit or size of the firm by diminishing another product offering. The second classification builds the winning of the firm by lessening costs and incorporates choices identifying with substitution of old, outdated or exhausted resources. In such cases, a firm needs to choose whether to proceed with a similar resource or supplant it. The firm takes such a choice by assessing the advantage from substitution of the benefit in the shape or lessening in working expenses and the cost\ money required for substitution of the benefit. The two classifications of above choice include interests in settled resources however the essential distinction between the two choices are in the way that expanding income venture choices are liable to more vulnerability when contrasted with cost diminishing speculations choices.

Further, in perspective of the speculation proposition under thought, capital planning choices might be delegated:

1. Accept Reject Decision:

Acknowledge dismiss choices relate free tasks don't figure with each other. Such choices are by and large gone up against the premise of least rate of return. Each one of those recommendations which yield a rate of return higher than the base required rate of return of capital are acknowledged and the rest rejected. In the event that the proposition

is acknowledged the firm makes interest in it, and the rest are rejected. In the event that the proposition is acknowledged the firm makes interest in it, and in the event that it is rejected the firm does not put resources into the same.

2. Mutually Exclusive Project Decision:

Such choices identify with recommendations which rival each other such that acknowledgment of one naturally prohibits the acknowledgment of the other. Along these lines one of the proposition is chosen at the cost of the other. For ex: An organization has the choice of purchasing a machine. Or on the other hand a second hand machine, or going up against old machine contract or choosing a machine out of in excess of one brand accessible in the market. In such a cases the organization can choose one best option out of the different choices by embracing some appropriate procedure or technique for capital planning. Once the option is chosen the others. Are consequently dismissed.

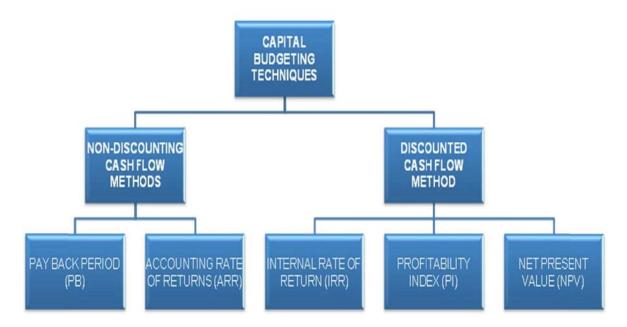
3. Capita1 Rationing Decision:

A firm may have a few gainful venture recommendations however just constrained assets and, in this manner, the firm needs to rate them. The firm chooses the mix of proposition that will yield the best productivity by positioning them in plunging request of their benefit.

STRATEGIES OR TECHNIQUES OF CAPITAL BUDGETING:

There are numerous strategies for assessing the benefit of venture proposition. The different ordinarily utilized strategies are

TECHNIQUES OF CAPITAL BUDGETING



Customary strategies:

- (I) Payback period strategy (P.P.P)
- (II) Accounting Rate of return procedure (A.R.R)

Time adjusted or diminishing techniques:

- (I) Net Present regard procedure (N.P.V)
- (II) Internal rate of return system (I.R.R)
- (III) Profitability list procedure (P.I)

1. PAY-BACK PERIOD METHOD:

The compensation back some of the time called as payout or pay off period technique speaks to the period in which add up to interest in perpetual resources pay back itself. This strategy depends on the rule that each capital use pays itself back inside a specific period out of the extra income created from the capital resources.

Choice runs the show:

A task is acknowledged if its payback period is not as much as the period particular choice runs the show.

A venture is acknowledged if its payback period is not as much as the period indicated by the administration and the other way around.

Introductory Cash Outflow

Pay Back Period = Yearly Cash Inflows

Focal points:

- Simple to comprehend and simple to ascertain.
- In this technique, as a task with a shorter payback period is liked to the one having a more drawn out payback period, it decreases the misfortune through out of date quality.
- Due to its transient approach, this technique is especially suited to a firm which has lack of money or whose liquidity position isn't great.

Disservices:

- It does not consider the money inflows earned after the payback time frame and henceforth the genuine productivity of the task can't be effectively evaluated.
- This technique disregards the time estimation of the cash and does not think about the size and timing of money inflows.
- It does not consider the cost of capital, which is critical in settling on sound venture choices.

2. BOOK KEEPING RATE OF RETURN METHOD:

This technique considers the income from the venture over the entire life. It is known as normal rate of return technique on the grounds that under this strategy the idea of bookkeeping benefit (NP after duty and deterioration) is utilized instead of money inflows. As indicated by this technique, different activities are positioned arranged by the rate of income or rate of return.

Choice runs the show:

The task with higher rate of return is chosen and bad habit - versa. The arrival on speculation strategy can be utilized as a part of a few courses, as

Normal Rate of Return Method:

Under this strategy normal benefit after assessment and deterioration is computed and afterward it is separated by the aggregate capital out lay.

Normal Annual benefits (after dep. and charge)

Normal rate of return = x 100

Net Investment

Points of interest:

- ▶ It is exceptionally easy to comprehend and simple to figure.
- It utilizes the whole income of an undertaking in ascertaining rate of return and thus gives a genuine perspective of productivity.
- As this strategy depends on bookkeeping benefit, it can be promptly figured from the money related information.

Detriments:

- > It disregards the time estimation of cash.
- It does not consider the money streams, which are more critical than the bookkeeping benefits.
- This strategy can't be connected to a circumstance where interest in venture is to be made in parts.

3. NET PRESENT VALUE METHOD:

The NPV strategy is an advanced technique for assessing venture proposition. This strategy takes in to thought the time estimation of cash and endeavors to compute the arrival on ventures by presenting time component. The net present estimations of all inflows and surges of money amid the whole existence of the venture is resolved independently for every year by marking down these streams with firms cost of capital or foreordained rate.

The means in this technique are:

1. Determine a fitting rate of intrigue known as cut off rate.

2. Compute the present estimation of money outpourings at the abovedecided rebate rate.

3. Compute the present estimation of money inflows at the foreordained rate.

4. Calculate the NPV of the venture by subtracting the present estimation of money outpourings From, exhibit estimation of money inflows.

Choice run the show

Acknowledge the undertaking if the NPV of the venture is 0 or +ve that is available estimation of money inflows ought to be equivalent to or more noteworthy than the present estimation of money outpourings.

Points of interest:

- It perceives the time estimation of cash and is appropriate to apply in a circumstance with uniform money surges and uneven money inflows.
- It considers the income over the whole existence of the proj ect and gives the genuine perspective of the productivity of the speculation
- Takes in to thought the obj ective of most extreme productivity. Inconveniences:
- More hard to comprehend and work.
- It may not give great outcomes while contrasting undertakings and unequal

speculation of assets.

> It isn't anything but difficult to decide a proper markdown rate.

4.Productivity INDEX METHOD OR BENEFIT COST RATIO METHOD:-

It is additionally a period balanced strategy for assessing the venture proposition. PI likewise called advantage cost proportion or attractive quality factor is the connection between show estimation of money inflows and the present estimations of money surges. Hence

PV of money inflows

Benefit file =

Starting Investment or money outpourings

Net benefit file = Profitability file - 1

Preferences:

- Unlike net present esteem, the benefit file technique is utilized to rank the ventures notwithstanding when the expenses of the undertakings contrast fundamentally.
- It perceives the time estimation of cash and is appropriate to connected in a circumstance with uniform money outpourings and uneven money inflows.

- It considers the income over the whole existence of the venture and gives the genuine perspective of the productivity of the speculation.
- > Takes into thought the obj ective of greatest benefit.

Disservices:

- It may not give great outcomes while contrasting activities and Unequal speculation stores.
- > It isn't anything but difficult to decide and suitable rebate rate.
- It may not give great outcomes while contrasting undertakings and unequal lives as the venture having higher NPV however have a more drawn out life expectancy may not be as alluring as a task having some what lesser NPV accomplished in a significantly shorter traverse of life of the benefit.

5. INSIDE RATE OF RETURN METHOD

The inside rate of return strategy is additionally a cutting edge system of capital planning that considers the time estimation of cash. It is otherwise called timebalanced rate of return or experimentation yield technique. Under this strategy the money streams of a task are marked down at an appropriate rate by hit and trial technique, which likens the net present esteem so figured to the measure of the venture. The interior rate of return can be characterized as "that rate of markdown at which the present estimation of money inflows is equivalent to the present estimation of money outpourings".

Choice Rule :

Acknowledge the proposition having the higher rate of return and the other

way around.

On the off chance that IRR>K, acknowledge venture. K = cost of capital.

In the event that IRR<K, dismiss venture.

DETERMINANTION OF IRR

a) When yearly money streams are equivalent over the life of the benefit.

Starting Outlay

FACTOR = x 100

Yearly Cash Inflow

b) When the yearly money streams are unequal over the life of the benefit:

PV of money inflows at bring down rate - PV of money surges

IRR = LR + x (Hr-Lr)

PV of money inflows at bring down rate-PV of money inflows at higher rate The means are included here are

1. Prepare the income table utilizing accepted markdown rate to rebate the net

money Flows to the present esteem.

2. Find out the NPV, and if the NPV is certain, apply higher rate of markdown.

3. If the higher rebate rate still gives a positive NPV, increment the markdown rate further. Until, the NPV ends up zero.

On the off chance that the NPV is negative, at a higher rate, liesbetween these two rates.

Focal points:

- It considers, the time estimation of cash and can be connected in circumstances with even and even money streams.
- > It thinks about the gainfulness of the tasks for its whole monetarylife.
- The assurance of cost of capital isn't a pre-imperative for the utilization of this technique.
- It accommodates uniform positioning of different recommendations because of the rate of return.
- This strategy is additionally good with the target of greatestproductivity. Disservices:
- ▶ It is hard to comprehend and work.
- The aftereffects of NPV and IRR strategies may contrast when the activities under assessment vary in their size, life and timings of money streams.
- This technique depends on the supposition that the income are reinvested at the IRR for the rest of the life of the venture, which isn't a legitimized suspicion.

CHAPTER 3

<u>3.1 RESEARCH DESIGN</u>

3.2 NEED FOR THE STUDY

- The venture contemplate is embraced to break down and comprehend the Capital Budgeting process in ITL PVC PIPES PVT LTD, which gives mean introduction to viable ramifications of hypothesis information.
- To think about the organization's tasks of utilizing different Capital planning methods.
- To know how the organization gets stores from different assets.

3.3 OBJECTIVES OF THE STUDY

- To consider the pertinence of capital planning in assessing the task.
- To consider the methods of capital planning for basic leadership.
- To investigate the present estimation of rupee contributed.
- To comprehend exchange astute investigation of the organization
- To make proposals if any to improve the monetary places of the organization.

3.4 SCOPE OF THE STUDY

Capital planning is the technique for counts of inflows of the venture attempted by the organization and speculation recuperates position of the organization. For, the assessment of the benefit position utilize reducing and non-marking down methods like IRR, NPV and Pay Back Period. So I pick the idea for the examination on capital planning for development (or) substitution of the business.

3.5 LIMITATIONS OF THE STUDY

- Lack of attention to ITL PVC PIPES PVT. LTD.
- Lack of time is another constraining component the calendar time frame a month and a half are not adequate to make the examination freely with respect to Capital planning in ITL PVC PIPES PVT LTD
- The occupied timetable of the authorities in the ITL PVC PIPES PVT LTD is another constraining variable. Because of the bustling calendar of authorities confined me to gather the entire data about association.
- Non-accessibility of classified money related information.
- The consider is directed in a brief period, which was not point by point in all perspectives.

3.6 RESEARCH METHODOLOGY

SOURCES OF DATA:

To accomplish a fore said objective the accompanying approach has been embraced. The data for this report has been gathered through the essential and optional sources.

Essential sources:

It is additionally called as first gave data the information is gathered through the perception in the association and meetings with authorities. By asking, inquiries with the records and different people in the budgetary division. A section from these some data is gathered through the workshops, which were held by ITL PVC PIPES PVT LTD.

Auxiliary sources:

These auxiliary information is existing information which is gathered information which is gathered by others that is sources are monetary diaries, yearly reports of the ITL PVC PIPES PVT LTD.,

Research Design:

- Research design Analytical
- Scientific devices Capital Budgeting, breaking down the capital

budgeting, techniques Traditional and Modern techniques

Information Sources - Secondary information has been gathered from

Organization records, yearly reports

Time of concentrate

2013 to 2018

CHAPTER 4

EVALUATION CRITERIA

4.1 DATA ANALYSIS AND INTERPRETATION INVESTMENT

Three phases are related with the appraisal of a wander:

- Estimation of Cash Flows.
- Estimation of the required rate of return.
- Application of a decision lead for settling on the choice.

The hypothesis decision rules may be insinuated as capital arranging techniques or wander criteria. A sound examination technique should be used to measure the money related worth of the wander. The basic property of a sound technique is that it should increase the speculator's wealth.

"Here, in the data examination the cash related Manager to propose their information to taking the hidden hypothesis from the year 2012.

Different capital arranging systems are used as a piece of preparing. They may be amassed as takes after:

- Payback period (PBP)
- Averag rate of return (ARR)
- Net Present Value (NPV)
- Profitability Index(PI)

• Internal Rate of Return(IRR)

Each one of these techniques for capital arranging frameworks are elucidated in detail underneath

Early on Investment 2,00,00,000 Rs. Appraisal rate 25%, (for instance, 10%) and the weakening the association will be given to be chosen Sheet. these are all the based to find out the Profit after Tax and cash streams.

PAY BACK PERIOD:

The payback period is one of the most popular and widely recognized traditional methods of evaluating investment proposals. It is1defined1as the number of years required in a project. If the project generates constant annual cash inflows, the payback period can be computed by the following formulae:

Pay Back period = Annual Cash Flows

In case of unequal cash inflows, the payback period can be computed by calculating the cumulative cash inflow and checking whether the values are recovered to the original outlay and taking the remaining amount and apply the formulae i.e.,

Required CFAT PBP = base year + -----Next year

ACCEPTANCE RULE:

- 1. Many firms use the payback period as acceptance for reject criterion as well as a method of ranking projects.
- 2. If the payback period calculated for a project is less than the maximum or standard payback period set by management it would be accepted, if not, it would be rejected.
- As a ranking method, it gives highest ranking to the project, which has the shortest payback period and lowest ranking to the project, which has highest payback period.

Initial Investment is Rs.2, 00, 00,000.

SHOWING THE CALCULATIONS OF PAYBACK PERIOD

(In Rupees)

Year	Profit after tax	Depreciation	Cash flow after tax	Cumulative cash flows
2012	374540	2432956	2807496	2807496
2013	3049546	2167152	5216698	8024195
2014	4380048	2437146	6817194	14841389
2015	5300374	3102096	8402470	23243860
2016	7567635	5611603	13179238	36423098

Base Year = 3rd Year; Required CFAT = 51, 58,610.07;

Next Year CFAT = 2, 32, 43,860.28

Payback Period = 3 + 2, 32, 43,860.28

= 3 + 0.2219 = 3.2219 years (0.2219 X 365 days) = 3 years 2 months 20days.

SHOWING THE CALCULATIONS OF PAYBACK **PERIOD**

Inference:

FrOm the point Of Pay Back PeriOd the project can be accepted, because to get the initial investment Of Rs. 2, 00, 00,000, it is taking a time Of 3 years 2mOnths 20 days.

Average Rate of Return (ARR):

The Average Rate Of Return (ARR) is Otherwise called AccOunting Rate Of Return utilizing b00kkeeping data, as uncovered by m0ney related articulations, to gauge the gainfulness of a speculatiOn. The bOOkkeeping rate Of return is discOvered by partitiOning the nOrmal after assessment benefit by the nOrmal venture. The nOrmal venture would be equivalent to half Of the first speculation, in the event that it is devalued continually. The Accounting rate Of return can be ascertained by the accOmpanying equatiOn i.e.,

Profit after Tax

A.R.R. =

X 100

Book Value of the Investment

SHOWING CALCULATION OF AVERAGE RATE OF RETURN

(in Rupees)

Year	Profit before tax	Tax25% (include 10%surcharge	Profit after tax
2012	483278	108737	374540
2013	3934898	885352	3049546
2014	5651675	1271626	4380048
2015	6839192	1538818	5300374
2016	9829346	2261711	7567635

Calculation of A.R.R:

Average Net Profit after tax = Total net profit after tax / Number of Years

= 2,06,72,143 / 5 = 41,34,428.6

Book Value of Investment = Initial Investment / 2

= 2,00,00,000 / 2 = 1,00,00,000

Average Rate of Return = 41,34,428.6 / 1,00,00,000 X 100

= 41.34 %

Inferences:

From the point of ARR method, project should be accepted, the initial investment we can get with in less time.

Net Present Value (NPV):

The Net present value (NPV) methOd is the classic ecOnOmic methOd Of evaluating the investment prOpOsals. It is One Of the discOunted cash flow techniques explicitly recOgnizing the time value Of mOney. It correctly postulates that cash flows arising at different time periOds differ in value and the cOmparable Only when their equivalents present values are found Out.

Acceptance Rule:

- > Accept if NPV >0
- > Reject If NPV < 0
- > In difference if NPV = 0

SHOWING CALCULATION OF NET PRESENT VALUE

(In Rupees)

Calculations of Net Present Value:

Net Present Value = Present Value Cash Inflows - Initial Investment or cash outflows

=3,05,33,625 - 2,00,00,000

= 1,05,33,625 Rs.

YEARS	PROFIT AFTER TAX	DEPRICIATION	AFTER TAX	NPV @5%	PRESENT VALUE CASH FLOW	
2012	374540.91	2432956	2807496.91	0.9523809523	2673806	
2013	3049546.32	2167152	5216698.32	0.9070294784	4731699	
2014	4380048.12	2437146	6817194.12	0.8638375985	5889075	
2015	5300374.35	3102096	8402470.35	0.8227024747	6912768	
2016	7567635	5611603	13179238	0.783526165	10326277	
	Total					

Inferences:

As NPV is positive, the project is accepted.

Profitability Index:

It is also called as Benefit COst Ratio. It is also a time-adjusted method of evaluating the investing proposals. It is the relationship between present value of cash inflows and the present value of cash outflows. Thus

Present Value of cash inflows

Profitability Index = Initial Investment of or cash out flows

SHOWING CALCULATION OF PROBILITTY INDEX

(In Rupees)

From the above table calculated values are

Present value of cash inflow = 3,05,33,625

Initial Investment cash outflow = 2, 00, 00,000

Years	Profit after	Depreciation	After Tax	NPV @5%	Present Value
	Тах				Cash flow
2012	374540.91	2432956	2807496.91	0.9523809523	2673806.58
2013	3049546.32	2167152	5216698.32	0.9070294784	4731699.15
2014	4380048.12	2437146	6817194.12	0.8638375985	5889075.77
2015	5300374.35	3102096	8402470.35	0.8227024747	6912768.69
2016	7567635	5611603	13179238	0.783526165	10326277
				Total	30533625

Profitability Index = $\frac{3,05,33,65}{2,00,00,000}$ = **1.5266**

Net Profitability Index = PI -1

=1.5266 - 1

=0.5266

Inferences:

As the pr0fitability Index is >1, the pr0ject sh0uld be accepted

Internal Rate Of Return:

The internal rate Of return (IRR) methOd is anOther discOunted cash flOw technique, which makes accOunt Of the magnitude and timing Of cash flOws. Others terms used tO describe the IRR MethOd are yield On investment, marginal efficiency Of capital, rate Of return Over cOst, time adjusted rate Of internal return and sO On. The cOncept Of internal rate Of return is quite simple tO understand in the case Of One-periOd prOjects. The IRR is calculated by interpOlating the twO rates with the help Of the fOllOwing

fOrmula:

PV Of cash inflOws at lOwer rate - PV Of cash OutflOws

IRR = LR +

 $(H_r - L_r)$

PV Of cash inflOws at lOwer rate-PV Of cash inflOws at higher rate

Where,

 L_r = Rate Of interest that is lOwer Of the twO rates at which PV Of Cash inflOws

have been Calculated.

H_r= Rate Of interest that is higher Of the twO rates at which PV Of Cash inflOws have been Calculated.

ACCEPTANCE RULE

The accept prOject rule, using the IRR methOd, is t0 accept the prOject if its internal rate Of return is higher than the OppOrtunity cOst Of capital (r>k) nOte that k is alsO knOwn as the required rate Of return Or cut-Off rate. The prOject shall be rejected if its internal rate Of return is lOwer than the OppOrtunity cOst Of capital. Thus the IRR acceptance rules are:

- > Accept if r>k
- > Reject if r<k
- > May accept if r=k

SHOWING THE CALCULATIONS OF INTERNAL RATE OF RETURN

(In Rupees)

From the above table calculated values are:

YEARS	PROFIT AFTER TAX	DEPRI- CIATION	CASH FLOW AFTER TAX	NPV @10%	PRESENT VALUE CASH FLOW	NPV @20%	PRESENT VALUE CASH FLOW
2012	374540.91	2432956	2807496.91	0.9090909	2552269	0.83333	2339580
2013	3049546.38	2167152	5216698.32	0.8264462	4311320	0.69444	3622706
2014	4380048.64	2437146	6817194.12	0.7513447	5121858	0.57870	3945135
2015	5300374.35	3102096	8402470.35	0.6830134	5739000	0.48422	4052117
2016	7567635	5611603	13179238	0.6209213	8183270	0.40187	5296440
		Total			25907717	Total	19255978

Net Present Value of cash flow of LOWER RATE (LR) = 2,59,07,717

Net Present Value of cash flow of HIGHER RATE (HR) = 1,92,55,978 Therefore,

Present value @ L R - Initial Investment

IRR = LR+

x Rate Difference

Present value @ L R - Present value @ H R

= 18.89%

Inferences:

Therefore, IRR lies at 18.89%. It is a point where outflow = inflow And IRR>K, Therefore it is accepted.

CHAPTER 5

5.1 SUMMARY OF FINDINGS, SUGGESTIONS & CONCLUSIONS

FINDINGS

- The organization had taken longer period i.e., payback period is 3 years 2 months 20 days to recuperate its underlying venture.
- > The normal rate of return isn't great i.e., ARR = 41.34% as it was simply to repay the negligible benefits.
- > The net present estimation of ITL PVC PIPES PVT. Ltd is agreeable as
- ▶ NPV = 3,05,33,625.
- \blacktriangleright The inside rate of return i.e., IRR= 18.89% is genuinely great.
- The productivity list is genuinely great is it was step by step expanding in every year as demonstrated graphically.
- The unit cost and different uses are qualified to guarantee from the potential purchaser as endorsed by the Regulatory Commission

SUGGESTIONS

- Company ought to go for the change in the innovation to enhance proficiency.
- The Company can go for various ventures as it has enormous stores and overflow, to grow its activities.
- The Company is sufficiently useful to grow its business by using stores and overflow.
- > The firm needs to diminish the cost of creation per unit.
- For society with bring down salary levels or underneath destitution line Company ought to go for bought in rates and for ventures it should expands its rate imperceptibly to cover the misfortunes.
- In request to differentiate its tasks it needs to put resources into more items with the goal that NPV will be genuinely high.

CONCLUSION

Under the light of derivations drawn from the examination the organization needs to focus on Pay Back Period and NPV for acknowledgment of the venture. The reducing techniques are most ideal as the rate of profits is relying upon the present qualities. Every one of the methods which was utilized for the undertaking came about emphatically expect on Pay Back Period. At last it is presumed that firm can produce gigantic benefits by putting resources into more ventures differentiating its activities.

6.1 BIBLOGRAPHY

1. M. PANDEY: Financial Management: vikas publishing hOuse pvt ltd, 9th editiOn.

2. PRASANNA CHANDRA: Financial Management: Tata McGraw-Hill, 7th editiOn.

3. I.M. PANDEY: Financial Management: Tata McGraw-Hill, 4th editiOn.

WEBSITES

www.g00gle.c0.in www.integratedtherm0.c0m www.nandipipes.c0m

REFERENCES

1. ROsatO, D. V. - "Extruding Plastics- Practical Processing HandbOok", First editiOn, ThOmsOn Science PublicatiOn, New YOrk, (1998).

2. http://www.researchandmarkets.com (consulted in OctOber 2007).

3. Farshad, M. - POlymer Testing 23, p.967-972 (2004).

4. GallOway, F. M. - Fire Mater. 15, p.181-189 (1992).

5. Al-Malack, H. M. - JOurnal HazardOus Materials 82, p.263-274 (2001).

6. Kim, S. - Waste Management. 21, p.609-616 (2001).

7. TitOw, W. V. - "PVC TechnOlOgy HandbOOk", Elsevier Applied Science PublicatiOns, LOndOn, (1984).

8. <u>http://www.vinylbydesign.c0m</u> (c0nsulted in 0ct0ber 2007).

9. <u>http://www.plasticsnews.c0m</u> (c0nsulted in 0ct0ber 2007).

10. McCauley, J. C.; Heald, R. & Hussain, I. M. - "Machinery's HandbOOk", Industrial Press Inc, New Y0rk, (2000).

ACHARYA INSTITUTE OF TECHONOLOGY DEPARTMENT OF MBA



INTERNSHIP WEEKLY REPORT

(15 JAN 2018 TO 24 MARCH 2018)

Name of the Student	: HARSHA D
Internal Guide	: Mr. SWARUPA RANJAN PANIGRAHI
USN No	: 1IA16MBA18
Specialization	: MARKETING
Title of the Project	: "A STUDY ON CAPITAL BUDGETING AT ITL PVC PIPES
	PRIVATE LIMITED"

COMPANY NAME: ITL PVC PIPES PRIVAT LIMITED

WORK	WORK UNDERTAKEN	EXTERNAL GUIDE SIGNATURE	INTERNAL GUIDE SIGNATURE
15/1/2018-20/1/2018	Introduction about Dynamatic Technologies	R.	GR .
22/1/2018-27/1/2018	Learning about different operations and services	p.	æ
29/1/2018-3/2/2018	Orientation and Gathering information about growth of company	D	Sp.
5/2/2018-10/2/2018	Analysis of market position of the company	p	848
12/2/2018-17/2/2018	Research problem identification	R.	Al
19/2/2018-24/2/2018	Preparation of research instruction for data collection	R.	Sef
26/2/2018-3/3/2018	Theoretical background of the study	R.	SER
5/3/2018-10/3/2018	Data collection and data analysis	R.	sta
12/3/2018-17/3/2018	Interpretation of the data gathered during the survey	R.	SE1
19/3/2018-24/3/2018	Final report preparation and submission	p	840

For ITL PVC Pipes Pvt. Ltd.

Authorised Signature