Capital budgeting

The powers of long-term planning, developing of ourouses, making investment edecision in capital expenditure to get propit which his expected to verieive of, generate over period of can year of, more than an year his original as Capital budgeting. It is applied to large x i man organizations at is not originated.

Methods of Capital Budgeting

Capital Budgeting is mainly classified into 2 methods. They are:

- 1. Traditional method
- 2. Dis rounted cash flow method

1. Turaditional method

Ca) Pay wank Period is one of methods of traditional Fay back period is one of methods of traditional appropriate. Vinder this method the decision to carept appropriate is wased on its pay wank of very est a project is wased on its pay wank of period. The period in which the original rost of period. The period is taken as pay wank the project is viewwird is taken as pay wank period at is real culated as

Pay vaik period: Ovinginal rost I rash outray of pergent Annual rash inflows.

Enterpretation

i) It realization of pay back period is less than

the machineum, carept the peroject, otherwise reject

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of peroject, careept ict, otherwise reject

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iii) In more than one aperoject, careept the project

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considered.

This method in based on accounting information rather than eash flows. It is calso ralled as scounting Rate of Retwen (ARR).

ARR: Average innome x 100

Average investment

Fotal lincome

No; of years

(81)

Average innome

Vet perget cafter tax

Average innome

Vo; of years

Average investment: derapvalue & 1 l'investment - scrap p additional working rapital.

Interpretation

i) If ARR of the peroject is 7 peredetournined ARR of the fivem, the peroject is accepted else uit is orefected ii) In case of more than one peroject, the peroject with high ARR value is accepted. 2. Discounted Cash Flow Method (a) Net Pousent Value (NIPV) (b) Ferofilability Ender [PI] (C) Internal Rate of Return (IRR) (a) Net Poresent Value (NPV) In this method victures on investment is attained with autocolution of time element factor. NPV = [1+k] + 12 + - + An ] - co Foresent walke of each can calso be idetermined by using persent value tables Interpoletation " (i) If possent walke of rash inflow > possent value of each outflow, accept the peroject. (ii) In wase of more than I project, the project has the & highest & net peresent value, let is to be selected to) caccepted, otnemise rejected (b) Peropitaleity Ander (PI) PI is the viatio of Polesent value of Cash Inflow (PVLI) to the Present value of Cash Outiflow (P VCO) PNCI X100. This is the modified form of MPV, calso ralled as benefit rost viatio Interpolation + of the perojectic perophtability finder is 71 aucept, else siejest the goojest.

c) Enternal Rate of Retween (FRR) This termique is also railed as time cadjusted vale of return. Rate of return which equates the present each inflows to peresent outflow of The steps involved in valentating the care 1. Calculate was flow 2 Calculate FPBP FPBP: Anitial investment Average Carn flow 3 In present walne annuity table, look for the walne which is elosest to the fake pay back period In years rolumn. 4. The novesponding percentage obtained is noted 5. NPV is ealculated at that 1. tage. 6. If NPV is ever take a higher orate kuig NPV is-He take lower & ralculate NPV eagain. 7. Continue esteps 5 % 6 mentil 1 +Ne \* 1-Ne MAI obtained 8. Calculate IRR by intopolation formula. TER 2 ML + PVCFAT - EVCO X MSL. Interpretation (i) THE TRR 7 min rate of outwen, it is carrepted (ii) In ease of more than one project, accept that project uvhose IRR is Mighest.