

CAPITAL BUDGETING

Types of Investment Projects

TYPES OF INVESTMENT PROJECTS

Replacement or Modernization decisions

Growth or Expansion projects

Diversification projects

New project or New firm

Mandatory projects

KINDS OF INVESTMENT DECISIONS

Independent projects (Accept / Reject Decisions)

Mutually Exclusive Projects

Contingent Decisions

Capital Rationing Decisions

CAPITAL BUDGETING PROCESS

Project Generation

Preliminary Screening

Detailed project Evaluation

Project Selection and its Implementation

Control of Capital Expenditure

CAPITAL BUDGETING: DECISION MAKING PROCEDURE

Estimation of Cost and Benefits of an investment Proposal

Estimation of minimum required rate of return

Application of suitable Capital Budgeting technique

PRINCIPLES OF CASH FLOW ESTIMATIONS

Consider only relevant and incremental cash flows

Calculate cash flows on after tax basis

Ignore sunk cost

Include opportunity costs

Calculate operating cash flows and exclude interest payments

Incorporate changes in working capital investment

PRINCIPLES OF CASH FLOW ESTIMATIONS

Include side effects of the project

Incorporate anticipated inflation

Add back depreciation and any other non cash item to after tax profit (PAT)

ESTIMATION OF RELEVANT CASH FLOWS

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Estimation of Initial Cash Outflow:	
Cost of new asset(s)	
+ Installation charges	
Any other capital expenditure	
# Increase/Decrease in net working capital	
Total of Initial cash outflow	
2. Estimation of Annual Net Operating Cash Inflores	
Cash flow/Profit before depreciation and tax (PBDT)	
Cash flow/Profit before depression	
- Depreciation	49444444444
Profit before tax (PBT)	********
Less tax	
D. C. O. L. (DAT or FAT)	
Profit after tax (PAT or EAT)	
+ Depreciation (non-cash expenditure) Add back	*******
+ Interest payment $(1-t)$	
(Only when PAT has been calculated after	
providing for interest charges)	***************
 Any major repair or capital expenditure 	**************************************
± Decrease/Increase in net working capital	*************
Annual net operating cash inflows	*********
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ESTIMATION OF RELEVANT CASH FLOWS

3. Estimation of Terminal cash inflow

Annual net operating cash inflow

+ Release of investment in working capital

STATES STREET, STREET,

PROPERTY OF PERSONS

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+ Scrap value of the asset

Terminal cash inflows

CONVENTIONAL AND NON CONVENTIONAL CASH FLOWS

Conventional Cash flows: initial investment is followed by a series of cash inflows over a period of time.

Non conventional cash flows: there are more than one cash flows which is is followed by a series of cash inflows over a period of time.