Cash Flow Analysis - prepared by Contractor

With name of project, assumptions: payment terms

Reference to Bar Chart Programme

- comprises income (receipts) and expenditure (expenditure)
- for Contractor's top management/ shareholders' decisions:
 - a) whether to proceed with the tender submission or not

b) tender strategy

c) consider interest on receipts and expenditure, which could affect the financial status of a Main Contractor

Timeline:

From contract commencement.

To DLP (to show effect of the release of retention)

PHASING: the percentage of work done in each month could be estimated based on the Contractor's construction programme prepared by planning engineers

Income (cost + mark up percentage) and Expenditure of each cost centres/ Bill can be added to get totals for each main activity in the bar chart programme

Expenditure

Direct cost

Staff and labour

From commencement to completion

Payment issued to labour and staff in the same month as the project acvitity

Others

Such as consumables, fees etc.

Payment delayed for 1 month (assumed)

For project with high risk (LD, Key Perf Indicator)

For project with high risk (LD, Key Perf Indicator)

Indirect cost

Payment for DSCs (assumed 80%)

payment delayed for 1 month or 2 months, depending on the company policy when the payment should be paid.

Payment for suppliers (20%)

for materials

payment most probably delayed for 2 months

Payment for NSCs - payment delayed for 2 months (usually pay after 14 days upon receipt of Arch's Cert)

An "Adjustment" row could be added for adjusting minor discrepancies.

Retentions

- o Retention deducted in each payment received until the limit
- o 50% released at PCC
- o 50% released on DLP
- o applied to s/c

Income (Receipts)

- profit added
- assume an honouring period
- preliminaries could be divided in staff&labour and others as expenditure
- Works (e.g. cost centers B in Disney contract)

Payment receipts are usually delayed for 2 months, subject to the actual honouring period stated in the Contract

Retentions

- Retention deducted in each payment received until the limit
- 50% released at PCC
- 50% released on DLP

Down payment/ payment through first few milestones maybe possible for upfront payment

Profit margin could be placed at the end of spreadsheet for easy checking

KPI for Disney Contract (5%) deduction and released every 3 months according to KPI Score

Cumulative cash should be S-shaped

Try to make all cash flow positive if possible

- Positive cash flow is the money inflow 8
- Negative cash flow is the money outflow
- Net cash flow = (Difference between inflow and out. = N cash) (Cash surplus (+) can help self-financing, cash deficit (-) need funding

(on the Contractor's side;

(on the contractor's (ide)

Example of positive cash flow (Inflow)



Interim payment

- Retention (release. Final accounts
- Loans of assets, e.g. stock, land, plants, etc.
- Claim
- > outflow
- Front-end loading
- Pay when pay
- Set-off to sub-contractor
- Example of negative cash flow (Outflow)
 - Payment to sub-contractors and suppliers
 - Overhead expenditure
 - Direct and indirect cost
 - Wages
 - Rent
 - Taxes
 - Loan payment
 - Liquidated damages
 - Set-off from employer
- 7 Inflow
 - Function of cash flow
 - Cash flow forecast can give early indication of cash conditions
 - It can give time to assess and arrange borrowing
 - Adjust programmes of work to equalize borrowing and avoid peak demand
 - Implement credit control and monitor outstanding monies due
 - Reduce or increase expenditure



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f con or's cash flow curve The

lice between the expense curve and the expected income proined working capital for the project

The maximum working capital is the maximum cash expected to be required b contractor to run the project

The total area between the above curves will give a good indication of the expe cost of financing the project

6. Factors affecting contractor cash flow

- The duration of the project
- Profit margin of the project
- Employer's reputation
- Progress delay B
- Investment
 - Increase in cost of works by fluctuation
 - The retention conditions
- The delay in receiving payment from client
- The credit arrangements with suppliers, plant hirers and subcontractors
- The phasing of the projects in the company's workload
- The late settlement of outstanding claim and final account