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Abstract

In a highly inflated economy, in the Sudan, contractors were asked to bid for a fixed prices; an anti universal experience. Projects executed during 1990 – 2002 were ranked as failed, challenged or successful using a pre set criteria. Out of 37 questionnaires, 33 were positively responsive. Despite an average advance payment of (27 %), average Sudanese construction time index was (2.23) and average Sudanese construction performance index was (1.17). (24 %) of the projects were ranked as failed, (58 %) as challenged and (18 %) as successful. In fact (38 %) of the failed projects were procured during the first sub period, (37 %) during the second sub period and (25%) during 1998 – 2002; generally decreasing trend. If the overall failure is to remain high, how can one personally be an exceptional? No other than Sudanese currency was recorded as a measuring tool. Company size and project size were ignored due to classification information deficiency and high inflation rates trend experienced during research period. The industry must be anxious till the creation of construction indices for this country become reality. Finally, construction resource overruns were not classified into avoidable and not avoidable due to data deficiency as well.

Acronyms and Abbreviations

| | |
|---------------------------|--|
| C | amount invested now |
| CPI | consumer price index |
| CPM | critical pass method, Construction Project Manager |
| A | payment certificate |
| a | apparent rate of return |
| r | internal rate of return (DCF) |
| F | future cash worth |
| P | present cash worth |
| i, i_1, i_2, \dots, i_N | interest rates |
| N | periods |
| NPV | net present value |
| m | number of times |
| i, j | numbers 1, 2, ... |
| k | = m/i |
| f, f_1, f_2, \dots, f_N | inflation rates |
| d _j | annual depreciation rate in year j |
| D _j | depreciation in year j |
| B _{vj} | Book value in year j |
| C | contract amount |
| C ₀ | contract price |
| T | construction duration |
| T ₀ | contract duration |
| Σ | summation |
| Δ | small increment |
| δ | small increment |
| %age | percent |

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