2.7.2.B1 Example of Using Formula for HO OH

Formulae to Recover Head Office Overhead & Profit

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In part I of this 2-part briefing series, I examined the legal principles appertaining to the recovery of overheads and profit where a project was delayed for events that the employer was culpable. In such claims, it is mandatory for a contractor to adduce the necessary level of proof to demonstrate the loss, but formulae, which are commonly used by contractors, is neither an appropriate nor acceptable means of calculating a loss.

The three most common formulae used [in the United Kingdom] for calculating loss of overhead and profit are Emden, Hudson and Eichleay, and to demonstrate in practical terms why such formulae are unacceptable 'tools' to finding out the real level of loss, below I have inputted each formula with identical data:

Data

Contract Sum	£525,000.00
Original contract period (in weeks)	52
Actual performance period	70 (18 weeks delay) – 490 days
Tender allowance for OHP	15%
Contractor company turn over from audited	£7,100,000.00
accounts	
Total annual HO OH&P	£2,450,000.00
Final Contract Valuation	£660,000.00

Hudson Formula

ensure margin not mark-up % or discount Contract Sum

exclude PC / Pro Sum HO OH only in Prelim / measured works

= Head Office Overhead & Profit % x Contract sum x delay in weeks

100%

Contract Period in weeks

15% 100%

x £525,000 x 18 weeks 52 weeks

= 0.15 x £181,730.76

= £27,259.61

Emden Formula

Total OHP / Turnover **Gross Contract Sum** Owner-Caused 100% Planned Contract x **Delay Period** Period

34% x 18 weeks 100% 52 weeks

= 0.34 x £10.096.15 x 18 weeks

= £61,787.52

Eichleay Formula

Final Contract Valuation **Total Company** Overhead Total Turnover for Actual Period Overhead During Attributable to of Performance **Actual Contract** Contract Period

Attributable Overhead

Actual Days of Contract

Overhead Attributable to Contract/Day

= Daily Overhead x Days of Owner-Caused Delay = Head Office Overhead

£2,450,000 = £220,500

Performance

£450 per

490 days £450 126 days

= £56,700.00

