

Enclosure 2 to PWSC(97-98)107

Details of Consultants' Fees

Breakdown of estimates for consultants' fees

Category of works/items			Estimated man months	Average MPS salary point	Multiplier factor	Estimated fees (\$ million)
(I)	Quantity Surveying					
(a)	Tender documents	Professional	1.4	40	3.0	0.23
		Technical	9.6	16	3.0	0.53
(b)	Tender assessment	Professional	0.7	40	3.0	0.11
		Technical	2.1	16	3.0	0.13
(c)	Contract administration	Professional	1.6	40	3.0	0.27
		Technical	9.6	16	3.0	0.53
					Sub-total	1.80
(II)	Architectural					
(a)	Outline proposal and sketch plans	Professional	4.1	40	3.0	0.68
		Technical	8.2	16	3.0	0.46
(b)	Detailed structural and geotechnical design	Professional	5.5	40	3.0	0.91
		Technical	8.2	16	3.0	0.46
(c)	Tender documents	Professional	4.1	40	3.0	0.68
		Technical	12.3	16	3.0	0.69
(d)	Tender assessment	Professional	2.7	40	3.0	0.46
		Technical	5.5	16	3.0	0.31
(e)	Resident site	Professional	8.1	40	2.1	0.94
	supervision staff	Technical	16.1	16	2.1	0.63
					Sub-total	6.22
(III)	Structural Engineering					
(a)	Outline proposal and sketch plans	Professional	0.7	40	3.0	0.11
		Technical	4.1	16	3.0	0.23
(b)	Detailed structural	Professional	1.4	40	3.0	0.23

Category of works/items			Estimated man months	Average MPS salary point	Multiplier factor	Estimated fees (\$ million)
	and geotechnical design	Technical	2.7	16	3.0	0.15
(c)	Tender documents	Professional	0.7	40	3.0	0.11
		Technical	4.1	16	3.0	0.23
(d)	Tender assessment	Professional	0.7	40	3.0	0.11
		Technical	1.4	16	3.0	0.08
(e)	Resident site supervision staff	Professional	1.4	40	2.1	0.16
		Technical	5.8	16	2.1	0.22
Sub-total						1.63
(IV)	Building Services Engineering					
(a)	Outline proposal and sketch plans	Professional	2.7	40	3.0	0.46
		Technical	5.5	16	3.0	0.31
(b)	Detailed structural and geotechnical design	Professional	2.1	40	3.0	0.34
		Technical	3.4	16	3.0	0.19
(c)	Tender documents	Professional	1.4	40	3.0	0.23
		Technical	4.1	16	3.0	0.23
(d)	Tender assessment	Professional	0.7	40	3.0	0.11
		Technical	1.4	16	3.0	0.08
(e)	Resident site supervision staff	Professional	2.7	40	2.1	0.32
		Technical	15.7	16	2.1	0.61
Sub-total						2.88
(V)	Out-of-pocket Expenses					
(a)	Printing cost					0.06
Sub-total						0.06
Total						12.59

Notes

1. We apply a multiplier of 3 to the average Master Pay Scale (MPS) point to arrive at the full costs including the consultant's overheads and profit, as the consultant will employ staff in his office. (At 1 April 1996, MPS points 40 and 16 are equivalent to \$55,388 and \$18,595 per month respectively.) A multiplier factor of 2.1 is applied in the case of site staff supplied by the consultants.
2. The estimated consultant's fees represent 9.5% of the total construction estimate, and cover service for quantity surveying, architectural, structural engineering and building services disciplines.