

PART 2: PRICING DATA

ECC3 Option B

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C2.1	Pricing assumptions: Option B	
C2.2	<i>The bill of quantities</i>	

C2.1 Pricing assumptions: Option B

1. How work is priced and assessed for payment

Clause 11 in NEC3 Engineering and Construction Contract (ECC3) Option B states:

Identified and defined terms	11	
	11.2	(21) The Bill of Quantities is the <i>bill of quantities</i> as changed in accordance with this contract to accommodate implemented compensation events and for accepted quotations for acceleration.
		(28) The Price for Work Done to Date is the total of <ul style="list-style-type: none">• the quantity of the work which the <i>Contractor</i> has completed for each item in the Bill of Quantities multiplied by the rate and• a proportion of each lump sum which is the proportion of the work covered by the item which the <i>Contractor</i> has completed. Completed work is work without Defects which would either delay or be covered by immediately following work.
		(31) The Prices are the lump sums and the amounts obtained by multiplying the rates by the quantities for the items in the Bill of Quantities.

This confirms that Option B is a re-measurement contract and the bill comprises only items measured using quantities and rates or stated as lump sums. Value related items are not used. Time related items are items measured using rates where the rate is a unit of time.

2. Function of the Bill of Quantities

Clause 55.1 in Option B states, "Information in the Bill of Quantities is not Works Information or Site Information". This confirms that specifications and descriptions of the work or any constraints on how it is to be done are not included in the Bill, but in the Works Information. This is further confirmed by Clause 20.1 which states, "The *Contractor* Provides the Works in accordance with the Works Information". Hence the *Contractor* does **not** Provide the Works in accordance with the Bill of Quantities. The Bill of Quantities is only a pricing document.

3. Guidance before pricing and measuring

There is no general provision in Option B for payment for materials on Site before incorporation into the *works*. If secondary Option X14 Advanced payment has not been used then the tendering contractor may obtain the same effect by inserting appropriate items in the method related charges where the *method of measurement* allows, or alternatively making allowance in the rates of the *bill of quantities* for the financing of Plant and Materials until they are incorporated in the *works*.

When compensation events arise, the default position is that the Bill of Quantities is not used to calculate the cost effect of the event. Defined Cost and the resulting Fee is used and Defined Cost includes all components of cost which the *Contractor* is likely to incur, including so called P & G items. Rates and lump sums from the Bill of Quantities, or from any other source, may be used instead of Defined Cost and the Fee only if the *Contractor* and *Project Manager* agree. If they are unable to agree, then Defined Cost plus Fee is used.

4. Measurement and payment

4.1. Symbols

The units of measurement described in the Bill of Quantities are metric units abbreviated as follows:

Abbreviation	Unit
%	percent
h	hour
ha	hectare
kg	kilogram
kl	kilolitre
km	kilometre
km-pass	kilometre-pass
kPa	kilopascal
kW	kilowatt
l	litre
m	metre
mm	millimetre
m ²	square metre
m ² -pass	square metre pass
m ³	cubic metre
m ³ -km	cubic metre-kilometre
MN	meganewton
MN.m	meganewton-metre
MPa	megapascal
No.	number
sum	Lump sum
t	tonne (1000kg)

4.2. General assumptions

- 4.2.1. Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance has been made in the quantities for waste.
- 4.2.2. The Prices and rates stated for each item in the Bill of Quantities shall be treated as being fully inclusive of all work, risks, liabilities, obligations, overheads, profit and everything necessary as incurred or required by the *Contractor* in carrying out or providing that item.
- 4.2.3. An item against which no Price is entered will be treated as covered by other Prices or rates in the *bill of quantities*.
- 4.2.4. The quantities contained in the Bill of Quantities may not be final and do not necessarily represent the actual amount of work to be done. The quantities of work assessed and certified for payment by the *Project Manager* at each assessment date will be used for determining payments due.
- 4.2.5. The short descriptions of the items of payment given in the *bill of quantities* are only for the purposes of identifying the items. Detail regarding the extent of the work entailed under each item is provided in the Works Information.

4.3. Departures from the *method of measurement*

- 4.3.1.

4.4. Amplification of or assumptions about measurement items

The following is provided to assist in the interpretation of descriptions given in the *method of measurement*. In the event of any ambiguity or inconsistency between the statements in the *method of measurement* and this section, the interpretation given in this section shall be used.

4.4.1.

C2.2 the *bill of quantities*

This page is a summary page or as a cover page to the *bill of quantities*.

ITEM No.	INTERVENTION NAME	INTERVENTION DESCRIPTION	TOTAL COST
1	AH-001	Drop structures, gabions and Head cut repair	
2	AH-002AB	Drop structures, gabions and Head cut repair	
3	AH-006	Drop structures, gabions and Head cut repair	
4	AH-007	Drop structures, gabions and Head cut repair	
5	AH-008	Drop structures, gabions and Head cut repair	
6	AH-009	Drop structures, gabions and Head cut repair	
7	AH-017	Drop structures, gabions and Head cut repair	
8	AH-018	Drop structures, gabions and Head cut repair	
9	AH-019	Drop structures, gabions and Head cut repair	
10	AH-020	Drop structures, gabions and Head cut repair	
11	AH-021	Drop structures, gabions and Head cut repair	
12	AH-022	Drop structures, gabions and Head cut repair	
13	AH-023	Drop structures, gabions and Head cut repair	
14	AH-024	Drop structures, gabions and Head cut repair	
15	AH-025	Drop structures, gabions and Head cut repair	
16	AH-026	Drop structures, gabions and Head cut repair	
17	AH-027	Drop structures, gabions and Head cut repair	
18	AH-029	Drop structures, gabions and Head cut repair	
19	BH-001	Drop structures, gabions and Head cut repair	
20	BH-002	Drop structures, gabions and Head cut repair	
21	BH-003	Drop structures, gabions and Head cut repair	
22	BH-008	Drop structures, gabions and Head cut repair	
23	BH-012	Drop structures, gabions and Head cut repair	
24	BH-013	Drop structures, gabions and Head cut repair	
25	BH-015	Drop structures, gabions and Head cut repair	
26	EMUA-01	Dam wall / berm / structure repair, amendment and removal	
27	EMUA-03	Dam wall / berm / structure repair, amendment and removal	
28	EMUA-04	Dam wall / berm / structure repair, amendment and removal	
29	EMU A-06	Drop structures, gabions and Head cut repair	
30	EMU A-07	Drop structures, gabions and Head cut repair	
31	EMUA-08	Drop structures, gabions and Head cut repair	
32	EMUA-09	Dam wall / berm / structure repair, amendment and removal	

ITEM No.	INTERVENTION NAME	INTERVENTION DESCRIPTION	TOTAL COST
33	EMUA-10	Earthworks, erosion repair and clay plugs	
34	EMU A-12	Cattle Crossing	
35	EMU A-13	Cattle Crossing	
36	EMU A-14	Cattle Crossing	
37	EMU A-15	Drop structures, gabions and Head cut repair	
38	EMU A-16	Cattle Crossing	
39	EMUA-17	Drop structures, gabions and Head cut repair	
40	EMUA-18	Earthworks, erosion repair and clay plugs	
41	EMUA-19	Earthworks, erosion repair and clay plugs	
42	EMU A-20	Cattle Crossing	
43	EMU A-21	Dam wall / berm / structure repair, amendment and removal	
44	EMU A-21A	Dam wall / berm / structure repair, amendment and removal	
45	EMU A-21B	Dam wall / berm / structure repair, amendment and removal	
46	EMU A-21C	Dam wall / berm / structure repair, amendment and removal	
47	EMUA-22	Dam wall / berm / structure repair, amendment and removal	
48	EMUB-01	Earthworks, erosion repair and clay plugs	
49	EMUB-02	Drop structures, gabions and Head cut repair	
50	EMUB-03	Earthworks, erosion repair and clay plugs	
51	EMU B-04	Cattle Crossing	
52	EMU B-05	Cattle Crossing	
53	EMU B-08	Cattle Crossing	
54	EMUB-09	Earthworks, erosion repair and clay plugs	
55	EMU B-10	Drop structures, gabions and Head cut repair	
56	EMU B-11	Drop structures, gabions and Head cut repair	
57	EMU B-12	Drop structures, gabions and Head cut repair	
58	EMU B-13	Drop structures, gabions and Head cut repair	
59	EMUB-14	Earthworks, erosion repair and clay plugs	
60	EMUB-15	Drop structures, gabions and Head cut repair	
61	EMUB-16	Drop structures, gabions and Head cut repair	
62	EMUB-17	Earthworks, erosion repair and clay plugs	
63	EMUB-19	Earthworks, erosion repair and clay plugs	
64	EMU B-20	Cattle Crossing	
65	EMU B-21	Cattle Crossing	
66	EMU B-22	Cattle Crossing	
67	EMU B-23	Cattle Crossing	
68	EMU B-24	AIP removal	

ITEM No.	INTERVENTION NAME	INTERVENTION DESCRIPTION	TOTAL COST
69	EMU B-25	Cattle Crossing	
70	EMU B-26	Cattle Crossing	
71	EMU B-27	Cattle Crossing	
72	EMU B-28	AIP removal	
73	AS-002	AIP removal	
74	ADF-01	Remove AIPs	
75	ADF-02	Remove AIPs	
76	ADF-03	Remove AIPs	
77	ADF-04	Remove AIPs	
78	ADF-05	Remove AIPs	
79	ADF-06	Remove AIPs	
80	ADF-07	Ameliorate Erosion and Manage Surface Flow	
81	ADF-08	Remove AIPs, Ameliorate Erosion, Manage Surface Flow	
82	ADF-09	Ameliorate Erosion	
83	ADF-10	Install More Outlets	
84	ADF-11	Remove AIPs	
85	ADF-12	Remove AIPs	
86	ADF-13	Remove AIPs	
87	EMU G-01	Drop Structure	
88	EMU G-02	Drop Structure	
89	FH-004	Drop Structure	
90	EMU F-07	Head Cut	
91	EMU F-08	Remove Old Dirt Road	
92	EMU F-09	Remove AIPs	
93	FS-002	Remove AIPs	
94	FS-004	Infill Old Excavations	
95	FS-003	Dump Rock in Stream	
96	GS-001a	Dump Rock in Stream	
97	GS-002	Dump Rock in Stream	
98	GH-003	Diversion Channels and Spillway	
99	GH-002	Gabion Structures	
100	EMU F-05	Diversion Channels and Spillway	
101	GS-001b	Raise Dam Outlets	
102	GS-006	Fill in Old Well	
103	FS-001	Break Open Existing Dam Wall	