

This document is executed as a deed and is delivered and takes effect at the date written at the beginning of it



<b>Framework:</b>	<b>Collaborative Delivery Framework</b>
<b>Supplier:</b>	<b>Kier Integrated Services Ltd</b>
<b>Company Number:</b>	<b>00873179</b>
<b>Geographical Area:</b>	<b>South West</b>
<b>Contract Name:</b>	<b>Holbeam Dam MIOS ECC</b>
<b>Project Number:</b>	<b>ENV0002504C</b>
<b>Contract Type:</b>	<b>Engineering Construction Contract</b>
<b>Option:</b>	<b>Option C</b>
<b>Contract Number:</b>	<b>P-30861</b>
<b>Stage:</b>	<b>Construction</b>

Revision	Status		Originator		Reviewer	

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Date

ENGINEERING AND CONSTRUCTION CONTRACT under the Collaborative Delivery Framework  
CONTRACT DATA

Project NameHolbeam Dam MIOS ECC

Project NumberENV0002504C

This contract is made on 24 April 2023  
between the *Client* and the *Contractor*

- This contract is made pursuant to the Framework Agreement (the “Agreement”) dated 10th day of April 2019 between the *Client* and the *Contractor* in relation to the Collaborative Delivery Framework. The entire agreement and the following Schedules are incorporated into this Contract by reference
- Schedules 1 to 21 inclusive of the Framework schedules are relied upon within this contract.
- The following documents are incorporated into this contract by reference  
Holbeam Phase 2 NEC4 ECC Scope v6

Part One - Data provided by the *Client*  
Statements given in  
all Contracts

1 GeneralThe *conditions of contract* are the core clauses and the clauses for the following main Option, the Option for resolving and avoiding disputes and the secondary Options of the NEC4 Engineering and Construction Contract June 2017.

Main Option	Option C	Option for resolving and avoiding disputes	W2
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Secondary Options

- X2: Changes in the law
- X5: Sectional Completion
- X7: Delay damages
- X9: Transfer of rights
- X10: Information modelling
- X11: Termination by the *Client*
- X15: *Contractor's* design
- X18 Limitation of Liability
- X20: Key Performance Indicators
- Y(UK)1: Project Bank Account
- Y(UK)2: The Housing Grants, Construction and Regeneration Act 1996
- Y(UK)3: The Contracts (Rights of Third Parties) Act 1999
- Z: *Additional conditions of contract*

The *works* are

The works are to provide a new spillway and associated works as required for Holbeam Dam measures in the interest of safety (MIOS 4)

The *Client* isEnvironment Agency

Address for communicationsHorizon House  
Deanery Road  
Bristol  
BS1 5AH

Address for electronic communications

The <i>Project Manager</i> is	<i>Becky Richards</i>
Address for communications	Manley House Kestrel Way Sowton Industrial Estate Exeter EX2 7LQ
Address for electronic communications	
The <i>Supervisor</i> is	<i>TBC</i>
Address for communications	
Address for electronic communications	
The Scope is in Holbeam Phase 2 NEC4 ECC Scope v6	
The Site Information is in ENV0002504C-ATK-ZZ-3XX-RP-C-000003-S3-P01-K0200-EA3-LOD3-Phase 2 Pre-Construction Information (1)	
The <i>boundaries of the site</i> are ENV0002504C-ATK-ZZ-3HOL-DR-C-100001	
The <i>language of the contract</i> is English	
The <i>law of the contract</i> is <i>the law of England and Wales, subject to the jurisdiction of the courts of England and Wales</i>	
The period for reply is	2 weeks
The following matters will be included in the Early Warning Register	
Early warning meetings are to be held at intervals no longer than	2 weeks
<b>2 The <i>Contractor's</i> main responsibilities</b>	
The <i>key dates</i> and <i>conditions</i> to be met are <i>condition</i> to be met	<i>key date</i>
'none set'	'none set'
'none set'	'none set'
'none set'	'none set'
The <i>Contractor</i> prepares forecasts of the total Defined Cost for the whole of the <i>works</i> at intervals no longer than	4 weeks
<b>3 Time</b>	
The <i>starting date</i> is	26 May 2023
The <i>access dates</i> are part of the Site	date
The <i>Contractor</i> submits revised programmes at intervals no longer than	4 weeks
The <i>Completion Date</i> for the whole of the <i>works</i> is	30 September 2025

The *Client* is not willing to take over the *works* before the Completion Date

The period after the Contract Date within which the *Contractor* is to submit a first programme for acceptance is 4 weeks

4 Quality management

The period after the Contract Date within which the *Contractor* is to submit a quality plan is 4 weeks

The period between Completion of the whole of the *works* and the *defects date* is 52 weeks

The *defect correction period* is 2 weeks except that

- The *defect correction period* for is Health and Safety issue for the public Hours
- The *defect correction period* for 24 is

5 Payment

The *currency of the contract* is the £ sterling

The *assessment interval* is Monthly

The *Client* set total of the Prices is £4,431,844.00

The *interest rate* is 2.00% per annum (not less than 2) above the  
Base rate of the Bank of England

The *Contractor's share percentages* and the *share ranges* are

	<i>share range</i>			<i>Contractor's share percentage</i>
less than		80 %		0 %
from	80 %	to	120 %	as set out in Schedule 17
greater than		120 %		as set out in Schedule 17

6 Compensation events

The place where weather is to be recorded is The nearest calibrated Met Office Weather Station to the site

The *weather measurements* to be recorder for each calendar month are

- the cumulative rainfall (mm)
- the number of days with rainfall more than 5mm
- the number of days with minimum air temperature less than 0 degrees Celsius
- the number of days with snow lying at 09:00 hours GMT

and these measurements:

- 1.
- 2.
- 3.
- 4.
- 5.

The *weather measurements* are supplied by Met Office  
The *weather data* are the records of past weather measurement for each calendar month  
which were recorded at : calibrated Met Office Weather Station  
and which are available from

Assumed values for the ten year weather return *weather data* for each *weather measurement* for each calendar month are

Jan	Jul
Feb	Aug
Mar	Sep
Apr	Oct
May	Nov
Jun	Dec

These are additional compensation events

1. 'Compensation Event for high temperatures will be 35 degrees Celsius measured at either the concrete batching plant or on site.

2.

'Compensation Event for wind affecting crane operations is defined as when wind speed at the crane anemometer location exceeds 7m/s for operations using man riding basket and 10m/s for operations not involving a man riding basket. Where no anemometer is present within the crane this will be measured via a hand held anemometer on the dam crest.
3.

Upstream and Crest works: Once the radial flood gate at Holbeam Dam is closed: all plant and equipment to be removed from the upstream impoundment area (including the crest) and work to stop in this area. All plant and materials to be out of impoundment area over night.
4.

Downstream: Contractor to manage flood risk based on flood warning, considering information provided by FIDO - rate of rise, impoundment level. Once 5m on the gauge board (41m AOD) is reached and/or the spillway is forecast to overtop (36 hour notice to be given by FIDO), all plant and equipment is to be moved from the downstream flood path and crest and work to stop.
5.

Compensation Event for low temperatures will be an ambient temperature of 2 degrees Celsius at either the batching plant or site

8 Liabilities and insurance

These are additional *Client's* liabilities

- 1

'not used'
- 2

'not used'
- 3

'not used'

The minimum amount of cover for insurance against loss of or damage to property (except the *works*, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the *Contractor*) arising from or in connection with the *Contractor* Providing the Works for any one event is

£15,000,000

The minimum amount of cover for insurance against death of or bodily injury to employees of the *Contractor* arising out of and in the course of their employment in connection with the contract for any one event is

not less than the amount required by law

The insurance against loss of or damage to the *works*, Plant and Materials is to include cover for Plant and Materials provided by the *Client* for an amount of

Resolving and avoiding disputes

The *tribunal* is litigation in the courts

The <i>Senior Representatives</i> of the <i>Client</i> are	Mark Kingdom
Address for communications	Environment Agency Manley House Sowton Industrial Estate Kestrel Way Exeter EX2 7LQ
Address for electronic communications	

Name

Address for communications

Address for electronic communications

The *Adjudicator* is'to be confirmed'

Address for communications'to be confirmed'

Address for electronic communications'[to be confirmed](#)'

The *Adjudicator nominating body* isThe Institution of Civil Engineers

Z Clauses

Z1 Correctness of Site Information and other documents

Z1.1 Site Information about the ground, subsoil, ducts, cables, pipes and structures is provided in good faith by the *Client* , but is not warranted correct. Clause 60.3 does not apply to such Site Information and the *Contractor* is responsible for checking the correctness of any such Site Information they rely on for the purpose of pricing for or providing the *works* .

Z1.2 Information regarding construction methods or processes referred to in pre contract health and safety plans are provided in good faith by the *Client* but are not warranted correct (except for the purpose of promoting high standards of health and safety) and the *Contractor* is responsible for checking the correctness of any such information they rely on for the purpose of pricing for, or providing the *works* .

**Z3 Prevention: No change to prices**

Delete first sentence of clause 62.2 and replace with:  
"Quotations for compensation events except for the compensation event described in 60.1(19) comprise proposed changes to the Prices and any delay to the Completion Date and Key Dates assessed by the *Contractor* . Quotations for the compensation event described in 60.1(19) comprise any delay to the Completion Date and Key Dates assessed by the *Contractor* r.  
Delete 'The' At start of clause 63.1 and replace with:  
"For the compensation event described in 60.1(19) the Prices are not changed. For other compensation events the..."

**Z 4 The Schedule of Cost Components**

The Schedule of Cost Components is as detailed in the Framework Schedule 9.

**Z 6 Payment for Work**

Delete existing clause 11.2 (31) and replace with:  
"11.2 (31) The Price for Work Done to Date is the total Defined Cost which the *Project Manager* forecasts will have been paid by the *Contractor* before the next assessment date plus the Fee. In all instances and circumstances the Price for Work Done to Date shall not exceed the forecast for the same as provided under clause 20.4."

**Z7 Contractor's share**

After cl54.2 and before cl54.3, insert the following additional clause:  
54.2A If, prior to Completion of the whole of the works, the Price for Work Done to Date exceeds 111% of the total of the Prices, the amount in excess of 111% of the total of the Prices is retained from the Contractor.

**Z10 Payments to subcontractors, sub consultants and**

Subcontractors  
The *Contractor* will use the NEC4 contract on all subcontracts for works unless another alternative and appropriate form is proposed and agreed in accordance with clause 26.3.  
Payment to subcontractors will be 28 days from the assessment date.  
If the *Contractor* does not achieve payments within these timescales then the Client reserves the right to delay payments to the Contractor in respect of subcontracted work, services or goods.  
Failure to pay subcontractors and suppliers within contracted times scales will also adversely affect the *Contractor's* opportunities to work on framework contracts.

**Z16 Disallowed Costs**

Add the following bullets to clause 11.2 (26) Disallowed costs

- was incurred due to a breach of safety requirements, or due to additional work to comply with safety requirements.
- was incurred as a result of the client issuing a Yellow or Red Card to prepare a Performance Improvement Plan.
- was incurred as a result of rectifying a non-compliance with the Framework Agreement and/or any call off contracts following an audit.

**Z20 Defect Dates for Sections**

Where a section of the *works* is defined and is located in a separate area of the Site, the time to the *defects date* for that section is the defined period after the Completion of that *section* , and is defined in the Contract Data.

**Z21 Requirement for Invoice**

Add the following sentence to the end of clause 51.1:  
The Party to which payment is due submits an invoice to the other Party for the amount to be paid within one week of the *Project Manager's* certificate.  
Delete existing clause 51.2:  
51.2 Each certified payment is made by the later of

- one week after the paying Party receives an invoice from the other Party and
- three weeks after the assessment date, or, if a different period is stated in the Contract Data, within the period stated.

If a certified payment is late, or if a payment is late because the *Project Manager* has not issued a certificate which should be issued, interest is paid on the late payment. Interest is assessed from the date by which the late payment should have been made until the date when the late payment is made, and is included in the first assessment after the late payment is made

**Z22 Resolving Disputes**

Delete W2.1

**Z23 Risks and insurance**

Replace clause 84.1 with the following  
Insurance certificates are to be submitted to the Client on an annual basis.

**Z31 ECC – Price Adjustment for Inflation**

The *Client* recognises the ongoing pricing uncertainty with regards to inflation. The *Client* will mitigate this uncertainty through this clause.

Z31.1 Defined terms:

- a) The index is Office for National Statistics (ONS) CPI (UK, 2015=100).
- b) The Base Date Index (B) is the latest available index published by ONS prior to the Contract Date.
- c) The Latest Index (L) is the latest available index published by ONS before the date of assessment of an amount due.
- d) The Price Adjustment Factor (PAF) at each date of assessment of an amount due is  $0.9((L-B)/B)$ .

Z31.2 Application rules.

The provisions of this clause [Z31] shall apply provided that:

- a) The Price for Work Done to Date is less than or equal to the total of the Prices and
- b) Inflation remains positive i.e. L is greater than B.

Z31.3 Price Adjustment Factor.

If an index is changed after it has been used in calculating a PAF, the calculation is not changed. The PAF calculated at the last assessment date before the Completion Date for the whole of the *works* is used for calculating an amount for price adjustment after that date.

Z31.4 Price adjustment Options A and B.  
**NOT USED**

Z31.5 Price adjustment Options C and D.

Each time the amount due is assessed, an amount for price adjustment is added to the total of the Prices which is the change in the Price for Work Done to Date since the last assessment of the amount due multiplied by (PAF/(1+PAF)).

Z31.6 Compensation events.  
**NOT USED**

**Z111 ECC - Fee adjustment for non compliance with Scope**  
Delete existing 11.2 (10) and replace with the following clause

The Fee is the amount calculated by applying the *fee percentage* to the Defined Cost excluding the cost of Sub-contractors that have not complied with procurement by best value processes as defined in the Scope. 80% of the *fee percentage* is applied to the amount of the Defined Cost for Sub-contractors that have not complied with procurement by best value processes as defined in the Scope.

**Z120 ECC – Carbon reduction**

Ref. (Clause No.)	Clause words
11.2 Definitions	Add as Clause 11.2(36) (36) The Performance Table states the targets the <i>Contractor</i> is to achieve in Providing the Works and sets out the adjustment to payment if a measured performance is higher, the same or lower than its target. The Performance Table is the <i>performance table</i> unless later changed in accordance with the contract.
15.1 Early Warnings	In Clause 15.1 add as a new bullet between the second and third bullet: “• result in a target in the Performance Table not being met,”
Performance Measurements	
57	Add as Clause 57:
57.1	‘From the <i>starting date</i> until the Completion Date, the <i>Contractor</i> reports to the <i>Project Manager</i> its performance against the targets in the Performance Table. Reports are provided at the intervals stated in the Performance Table.
57.2	If the <i>Contractor’s</i> performance against a target in the Performance Table is not achieving or is forecast not to achieve the performance target stated, it submits to the <i>Project Manager</i> for acceptance its proposals for improving performance.  A reason for not accepting the proposals is that they will not provide the improvement in performance needed to achieve the target in the Performance Table.
57.3	At the dates stated in the Performance Table, • if the relevant performance does not meet the target stated in the Performance Table, the <i>Contractor</i> pays the amount stated in the Performance Table,  • if the relevant performance exceeds or meets the target stated in the Performance Table, the <i>Contractor</i> is paid the amount stated in the Performance Table.
57.4	Information in the Performance Table is not Scope.
X18	X18.5 add as a new bullet after the fourth bullet: • low performance damages if the Performance Table applies



The *performance table* is

Ref	Subject/ issue to be addressed	Target	Units	Measurement rules	Reporting frequency	If performance does not meet the target stated in the Performance Table, the <i>Contractor</i> pays the amount stated	Limit on sum to be paid by the <i>Contractor</i> (if any)	If performance exceeds or meets the target stated in the Performance Table, the <i>Contractor</i> is paid the amount stated
					(weekly / monthly / at completion)	(Sum or rate)		(Sum or rate)
1	Carbon	Verified Carbon Budget	tCO <sub>2</sub> e	FCRM Appraisal Guidance verified in accordance with EN15978	Monthly	£10.00	5% of Price	£50.00
	TOTAL Limit on SUM TO BE PAID							

Part Two - Data provided by the Contractor

Completion of the data in full, according to the Options chosen, is essential to create a complete contract.

1 General

The Contractor is

Name Kier Integrated Services Ltd

Address for communications 2nd Floor  
Optimum House  
Clippers Quay  
Salford  
M50 3XP

Address for electronic communications

The fee percentage is

Option C

10.60%

The working areas are The site, Kier offices, compounds and private dwellings of Kie

The key persons are

Name (1)	
Job	Senior Project Manager
Responsibilities	Project Delivery
Qualifications	BSC Civil Engineering
Experience	20+ years

The key persons are

Name (2)	
Job	Project Manager
Responsibilities	Project Delivery
Qualifications	NVQ Lv.6 Construction Site Management
Experience	8+ Years

The key persons are

Name (3)	
Job	
Responsibilities	
Qualifications	
Experience	

The key persons are

Name (4)	
Job	
Responsibilities	
Qualifications	
Experience	

The following matters will be included in the Early Warning Register

**2 The Contractor's main responsibilities**

The Scope provided by the *Contractor* for its design is in

**3 Time**

The programme identified in the Contract Data is

2023-05-12 - INT19 - Holbeam Dam - Programme

**5 Payment**

The *activity schedule* is

**Resolving and avoiding disputes**

The *Senior Representatives* of the *Contractor* are

Name (1) [REDACTED]  
Address for communications  
1st Floor, Hawthorn House  
Emperor Way  
Exeter Business Park  
Exeter  
EX1 3QS

Address for electronic communications  
[REDACTED]

Name (2) [REDACTED]  
Address for communications  
1st Floor, Hawthorn House  
Emperor Way  
Exeter Business Park  
Exeter  
EX1 3QS

Address for electronic communications  
[REDACTED]

**X10: Information Modelling**

The *information execution plan* identified in the Contract Data is

**Y(UK)1: Project Bank Account**

The *project bank* is  
[REDACTED]

*named suppliers* are

Secondary Options

OPTION X2: Changes in the law

The *law of the project* is the law of England and Wales, subject to the jurisdiction of the courts of England and Wales

OPTION X5: Sectional Completion

The <i>completion date</i> for each <i>section</i> of the <i>works</i> is		
<i>section</i>	<i>description</i>	<i>completion date</i>
1	Spillway and associated MIOS 4 works construction completion and document handover	02 May 2025

X7 plus X5

Delay damages for each <i>section</i> of the <i>works</i> are		
<i>section</i>	<i>description</i>	<i>amount per day</i>
1	Spillway and associated MIOS 4 works construction completion and document handover	£496.00

The delay damages for the remainder of the *works* are £496.00

OPTION X10: Information modelling

The period after the Contract Date within which the *Contractor* is to submit a first Information Execution Plan for acceptance is 2 weeks

The minimum amount of insurance cover for claims made against the *Contractor* arising out of its failure to use skill and care normally used by professional providing information similar to the Project Information is, in respect of each claim £5,000,000

The period following Completion of the whole of the *works* or earlier termination for which the *Contractor* maintains insurance for claims made against it arising out of its failure to use the skill and care is 12 years

OPTION X15: The *Contractor's* design

The *period for retention* following Completion of the whole of the *works* or earlier termination is 12

The minimum amount of insurance cover for claims made against the *Contractor* arising out of its failure to use skill and care normally used by professionals designing works similar to the *works* is, in respect of each claim £5,000,000.00

The period following Completion of the whole of the *works* or earlier termination for which the *Contractor* maintains insurance for claims made against it arising out of its failure to use the skill and care is 12

OPTION X18: Limitation of liability

The *Contractor's* liability to the *Client* for indirect or consequential loss is limited to £5,000,000

For any one event, the *Contractor's* liability to the *Client* for loss or damage to the *Client's* property is limited to

£5,000,000  
The *Contractor's* liability for Defects due to its design which are not listed on the Defects Certificate is limited to £5,000,000

The *Contractor's* total liability to the *Client* for all matters arising under or in connection with the contract, other than excluded matters, is limited to £5,000,000  
The *end of liability date* is 12 years after the

Completion of the whole of the *works*

**OPTION X20: Key Performance Indicators (not used with Option X12)**

The *incentive schedule* for Key Performance Indicators is in Schedule 17.

A report of performance against each Key Performance Indicator is provided at intervals of 3 months.

**Y(UK)1:Project Bank Account**

The Contractor is to pay any bank charges made and to be paid any interest paid by the *project bank*

**Y(UK2): The Housing Grants, Construction and Regeneration Act 1996**

The period for payment is 14 days after the date on which payment becomes due

**Y(UK3): The Contracts ( Rights of Third Parties Act) 1999**

term *beneficiary*

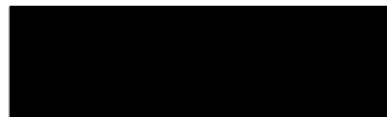
term *beneficiary*  
The provisions of  
Y(UK)1

# Contract Execution

## Client execution

Signed as a Deed by [PRINT NAME]

for and on behalf of the Environment Agency



Signature

27/06/2023

Date

Senior Lawyer (Team Leader)

Role

In the presence of:



Signature

27/06/2023

Date

Costs Manager

Role



Name [Print]

Address

c / o Manley House, Kestrel Way

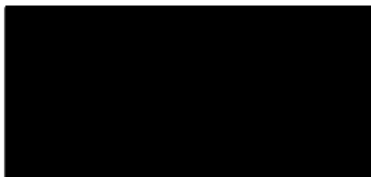
Exeter EX2 7LQ

## Contractor execution

Signed as a Deed by [PRINT NAME]

for and on behalf of

Kier Integrated Services Ltd



Signature

01/06/2023

Date

Group Managing Director

Role

In the presence of:



Signature

01/06/2023

Date

Contracts Officer

Role



Name [Print]

Address

2 Eastnor Close

B98 7NW