



Renewable Energy Hydro Proposal Form

(Please note that a proposal form needs to be completed for each hydro power station location. In the event that the specific details of any site are the same as another, please put a reference to that site.)

1. General Information

1.1 Name of Insured

1.2 Postal Address
Post Code

1.3 Hydro Power Station Site Address
Post Code

1.4 Full Business Description

1.5 When is the Insurance required from

1.6 Scope of Cover Required:

- Construction Risk - Property Damage and Advanced Loss of Profits Only
 Yes No (complete all parts excluding 4)
- Operational Risk - Property Damage and Business Interruption
 Yes No (complete all parts excluding 8)

2. Site Information

2.1 Please advise the general configuration / construction of the hydro facility, e.g:

- Barrage
- Penstock
- Mill Leat

If possible please provide photographs to demonstrate configuration. Attached - Yes No

2.2 Is the river / waterway in part or fully dammed or fully obstructed / redirected by the hydro facility?
 If Yes please provide details opposite. Yes No

2.3 What is the "head distance" i.e. the vertical distance between the inlet into the Hydro Station and the turbine?

2.4 Please detail the spill ways or overflow facilities in place.

3. *Business Interruption / *Advanced Loss of Profits (* delete as applicable)

Quotation

Required Not required

3.1 Please state the Estimated Annual Revenue Turnover from the sale of power including ROCs/LECs.

Annual Amount Earned: £
 Average Annual Amount Exported in MW/KWe:
 Supplied to:

3.2 If any power is generated for own use please detail the average annual consumption.

Average Annual Consumption in MW/KWe:

3.3 What is the required Indemnity period?
 12/18/24 months

..... Months

3.4 Please advise the Time Exclusion required under this policy (a minimum exclusion of 7 days applies other than Advanced Loss of Profits where 14 days applies unless otherwise.

..... Days

4. Suppliers & Customers Extension - Operational Risk Only

4.1 Is a customer / supplier extension required in the event that any supplier / buyer of power to / from the Hydro Station cannot, due to loss or damage to their own property (of the type insured under the Policy) :

- Deliver power to the Hydro Power Station? and/or
- Receive power from the Hydro Power Station?

Yes No
 Yes No
6 months Indemnity Period

4.2 In the event of loss, damage or electrical mechanical failure of the Hydro Power Station, please advise if cover is required for the costs that would be incurred in purchasing any power which is for own use as opposed to export?

Yes No
 Estimated annual cost of buying from the local supplier: £

Note a maximum limit of £100,000 or the amount shown as the annual turnover/revenue will apply whichever the lesser.

4.3 What means are in place to import and export electricity to/from the Hydro Power Station?

Please advise the type and nature of any power lines (overhead/underground) or site based transformers

5. Maintenance / Repair

5.1 Are there any *warranties/comprehensive maintenance contracts in force providing free repair or replacement in the event of any electrical or mechanical failure?

Yes No

If Yes please provide details including the providers name and address and the date when the *warranty/contract *expires/renews

*please delete as applicable

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5.2 Please advise if there is a formal written planned preventative maintenance regime?

Yes No

If No what arrangements exist for maintenance of plant and machinery?

5.3 Please advise if any maintenance work is carried out by in house staff?

Yes No

5.4 Please advise the experience / qualifications that the maintenance company / own staff possess?

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5.5 If maintenance is contracted out please provide details of the companies involved in the upkeep of the turbine(s) and generator(s)

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5.6 Spares

- Is any item obsolete where spares or replacement plant can no longer be obtained?

Yes No

If Yes please provide details opposite

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- Is there a UK supplier from whom supplies can be obtained?

Yes No

If No, please provide answers to the following:

- where will spares be sourced from? and
- how will the spares be brought to site? and
- what if any spares are held on site for immediate installation in the event of damage?

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6. Machinery, Plant & Equipment

Plant and machinery	Make, Model and year of manufacture				Details of any major overhauls or periods of idleness.
	Make	Model	Year	Output in HP/KW	
Turbine(s)					
Gearbox(es)					
Generator(s) / Alternators					
Transformer(s) (excluding pole mounted)					
Diesel Engine(s) & integral Generator(s)					
Electrical Works, Control System(s) & Wiring including batteries and coils if not inc. above					
Transmission Lines, Poles and Pole Mounted Transformers					

Buildings and Civils	Construction Company (if known) and Year of construction.		Details of any major re-construction or improvement works undertaken since first constructed.
	Company	Year	
Turbine House(s)			
Machinery Foundations			
Dam(s)			
Weir(s)			
Spillway(s)			
Tailrace(s)			
Canal(s) and Leat(s)			
Penstock(s) / Pipelines			

7. Risk Protections

7.1 Are there any automatic fire detection or prevention (suppression) systems in place?

Yes No

If Yes please detail opposite

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7.2 Are there any remote monitoring systems and alarms for the Hydro Station and the plant and machinery (including but not limited to performance monitoring)?

Yes No

If Yes please detail opposite

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7.3 Please detail any physical security features on this site, including but not limited to:

- perimeter fencing
- intruder alarm systems
- CCTV systems
- door and window protections

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7.4 Are there any factors that may mitigate a total loss to the insured property:

- in the building housing the plant and machinery (e.g. separation of buildings and/or fire walls in place)?
- in the open and exposed to the elements?

Yes No

Yes No

If Yes please detail opposite (specifically noting any protections that may prevent or reduce losses from flood or inundation of water)

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7.5 Please note in estimated miles, the closest operational fire station or mobile fire fighting facility?

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7.6 Has any work been completed to reassess the ability of any dam, spillway or other man made part of the proposal to withstand any increased or potentially increased likelihood of flood damage and / or inundation?

Yes No

If yes please provide details.

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7. Risk Protections - Continued

7.7 Is there any history of flooding of the building(s) / structure(s) housing electrical equipment?

Yes No

If Yes please provide details.

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7.8 Inspections:

- At what interval are visual inspections of the entire installation carried out (including any sediment traps and trashracks)?

Daily: Weekly:

Other (please state):

- Are any form of independent inspections carried out on the:
 - Dam and other structures? If Yes please provide details (including any requirements or recommendations made by the inspecting body)
 - Plant & Machinery involved (e.g. on any form of pressure or lifting equipment to comply with The Pressure Systems Regulations and/or LOLER If Yes Please complete Section 12 of this Questionnaire

Yes No

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Yes No

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7.9 Please confirm that there is a proper means of access for any repair or rebuilding / replacement of Insured Property to be undertaken without need for special construction or roads, jetties or other structures.

Yes No

If No please advise in the space provided opposite

Note: if there is any further information you feel is relevant in reducing, easing or minimising the risk of loss or damage please detail in the space provided in Section 10. of this Questionnaire

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7.10 Please advise if there are devices or mechanisms installed in/on any of the property to be insured to protect against lightning damage

Yes No

If Yes please provide detail of same and if no please advise why?

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8. Construction All Risks - Additional Questions

Quotation:

Required

Not Required

8.1 Please advise the name and address of the company/person(s) responsible for the appraisal and design of the site?

Name:

Address:

8.2 Please provide details of:

- *Project Manager/Joint Venture Co.
- Main Contractor name and address
- Subcontractors Names

*delete as applicable

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8.3 Please advise the following dates:

- Commencement of Works/Contract
- Completion of Works
- Completion of Testing & Commissioning
- Period thereafter of Maintenance Cover (maximum 12 months)

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8.4 Are copies of construction bar charts, plans, drawings and specifications enclosed

Yes No

9. Statutory Inspection of Plant and Machinery

Quotation

Required Not required

Please indicate below if you require Statutory Examination to be arranged on the following plant and machinery

A = Boiler and Pressure Plant - Inspection required in accordance with the Pressure Systems Regulations (SI2169)

B = Lift and Crane Plant- Inspection required in accordance with the Lifting Operations and Lifting Equipment Regulations (LOLER)

C = Other Work Equipment - Risk Assessment and possibly inspection in accordance with the Provision and Use of Work Equipment and inspection in accordance with the Electricity at Work Regulations

Type of Equipment	Number	Capacity / SWL
A1. Air/Oil Receiver(s) or other items under fluid pressure exceeding 250 bar litres		
A2. Steam boiler(s) or other plant capable of Steam Storage or generation		
A3. Hot Water Boilers		
A / C4. Hot Water Calorifier		
A / C5. Water Heaters		
B1. Lifting Block(s)		
B2. Runway beam(s)		
B3. Runway Carriage(s)		
B4. A Frames or similar mobile frames for attachment of Lifting equipment		
B5. Fork Lift Truck(s)		
B6. Manual / Hydraulic Crane(s)		
B7. Other forms of work equipment used for lifting and Lowering Please Detail:		
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C1. Pole Mounted Transformer(s)		
C2. Alternator / Generator(s) associated with Turbines		
C3. Diesel Engine/Generator Set(s)		
C4. Transformer(s)		
C5. Oil/Gas Burner(s)		
C6. Pumps and Motor set(s)		
C7. Switchgear and Control Panel(s)		
C8. Refrigeration plant		
C9. Other forms of work equipment where examination is required Please Detail:		
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The above is a Guide only and is not an all inclusive list of the plant and machinery that may require risk assessment or examination

The Regulations above stipulate a legal obligation for the owner of the plant and machinery to carry out Risk Assessments. The examination of the plant and machinery is an "industry accepted" form of risk control but may not be an actual requirement

10. History

10.1 How long have you been trading?

 years

10.2 Please give the name of your previous Insurers?

10.3 Has any insurer ever imposed special terms or limited the cover or implied special terms or conditions to a policy of the same or similar type being requested

Yes No

If Yes please provide details in the space opposite

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10.4 Please give details of any claims or uninsured losses in respect of any risk you are now wishing to Insure against (please include details of any break-ins to any premises included in the insurance sought whether or not it resulted in a loss).

10.5 Has any insurer cancelled or declined to renew any of your insurances?

Yes No

If Yes please provide details in the space opposite

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10.6 Have you or any partner or director ever traded in another name?

Yes No

If Yes please provide details in the space opposite and continue in Section 11 below if more space is required

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10.7 Have any partners or directors ever been:

- Convicted or charged (but not yet tried) with a criminal offence, other than a motoring offence?
- Declared bankrupt or insolvent?
- A director or partner of another company that went into liquidation?
- The subject of a recovery action by Customs and Excise or the Inland Revenue?

If Yes please provide details in the space opposite

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10.8 Is the interest of any bank or other financial institution to be noted in the insurance? (if yes please provide name, address and full details of the scope of the interest and/or bank clauses to be considered for incorporation)

11. Further Details

Please provide below, any further information requested in this form together with the Question number to which the information relates (in particular, additional information is required if a cross or tick appears in any shaded box on this form).

12. Declaration

I/We declare that all the information given on this form is true and that no material fact has been withheld.

I/We agree that this Proposal and Declaration shall form part of any Policy incepted or currently in force for any risk or property mentioned in this Proposal/Declaration

Signed

Name

Date