|  |  |  |  |
| --- | --- | --- | --- |
| **Contact Details** | | | |
| Name: |  | Telephone No: |  |
| Company: |  | Email: |  |
| Address: |  | | |
| Role in Project: |  | | |

|  |  |
| --- | --- |
| **Site Details** | |
| Site Name: |  |
| Site Location: |  |
| Site Owner: |  |
| Name of Watercourse: |  |
| Grid Reference : |  |

The amount of power which a hydro turbine can produce depends on the head and flow available at the scheme.

The head is the vertical distance between the point where the water is abstracted and the point at which it is returned to its watercourse.

The flow is the volume of water available to pass through the turbine over a given period of time, for example 0.2 m3/second or 200 litres/second.

Knowing these two values will enable Gilkes to provisionally size the scheme, and provide details of the most suitable type of turbine.

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| **Equipment Required from Gilkes** | | | |
| Turbine: | Turgo  Francis  Pelton  (Click to select box) | | |
| Generator: |  | Voltage: |  |
| Governor: |  | | |
| Inlet Valve: |  | | |
| Control & Switchgear: |  | | |
| Main Set up Transformer: |  | | |

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| **Hydraulic Conditions** | | | | | | |
| Gross (Static) Head: |  | | | | | |
| Net Head at Turbine Inlet: | Maximum: | |  | | | |
|  | Design: | |  | | | |
|  | Minimum | |  | | | |
| Available Flow Rates: | Maximum: | |  | | | |
|  | Design: | |  | | | |
|  | Minimum: | |  | | | |
| **Operation Details** | | | | | | |
| In Parallel with grid network: (export only) | |  | | | | |
| Feeding an isolated grid network: | |  | | | | |
|  | |  | | | | |
| Ambient Temperature: | | Maximum: | |  | Minimum: |  |
| Power House Altitude: | |  | | | (Meters above sea level) | |
| Penstock Diameter: | |  | | | | |
| Penstock Length: | |  | | | | |

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| **Project Details** | | |
| What is the current status of the project? |  | |
| When is the project scheduled to go ahead? |  | |
| Is finance in place for the project? | Yes | No |
| Is the power purchase agreement in place? | Yes | No |
| Has environmental consent been obtained? | Yes | No |

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| **Additional Information:**  Please provide us with any additional details which you think may be of interest to us. For example, a map showing the location of the proposed scheme, any photos, details of any existing turbine etc. |
|  |

For Further information or problem solving please contact:-

|  |  |
| --- | --- |
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