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

|  |  |
| --- | --- |
| **Site Details** | |
| Site Name: |  |
| Site Location: |  |
| Grid Reference : |  |
| Site Owner: |  |
| Name of Watercourse: |  |
| Any Site Weight/Access Restrictions? |  |

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| **Project Details** | | |
| What is the current status of the Project? |  | |
| What is the expected Equipment Order date? |  | |
| Required Delivery Timescale? |  | |
| 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 |

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

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| **Hydraulic Conditions** | | |
| Gross (Static) Head: |  | |
| Net Head at Turbine Inlet: | Maximum: |  |
|  | Design: |  |
|  | Minimum |  |
| Available Flow Rates: | Maximum: |  |
|  | Design: |  |
|  | Minimum: |  |
|  |  |  |
| **Water Quality** | | |
| Clean water  Seasonal rainfall (Monsoon)  High sediment content in water   Any additional information about site water quality: | | |

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| **Operation Details** | | | | |
| In Parallel with grid network: (export only) | (Click to select box) | | | |
| Feeding an isolated grid network: | (Click to select box) | | | |
|  |  | | | |
| Ambient Temperature: | Maximum: |  | Minimum: |  |
| Power House Altitude: |  | | (Metres above sea level) | |
| Penstock Diameter: |  | | | |
| Penstock Length: |  | | | |

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

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| --- | --- |
| **For Multi-Unit Schemes** | |
| Number of Turbines: | To be advised by Gilkes  (Click to select box)  Decided by Customer  Number Required: |
| Total Flow divided equally between number of Turbines: | Yes  (Click to select box)  Other  Please advise split: |

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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. |
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| **Where did you hear about Gilkes?** |
|  |

For Further information or problem solving please contact:

|  |  |
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| GILBERT GILKES & GORDON LIMITED  Kendal, Cumbria  England  LA9 7BZ | Tel + 44 1539 720028  Fax + 44 1539 732110  E mail [hydro@gilkes.com](mailto:hydro@gilkes.com)  Web: <http://www.gilkes.com> |

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We very much hope you will wish to continue receiving information from us and would ask you to check the relevant boxes below.

I would like to receive updates about products, services, news, events, and any other relevant information from Gilkes.  Please send me information by:

Email  Mail  Phone