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

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

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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| **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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| **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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| **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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If you want to access or change your personal information, or if you want us to remove it completely from our database please [contact us](mailto:enquiries@gilkes.com).

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