

Small-hydro Projects Checklist

1) Energy potential and head availability:

- ✚ Are there long term water flow measurements available provided by relevant institutions? What is the gross and net head at the location?

2) Building and Technology of the plant:

- ✚ Will both the building part (power house, weir) and technology (turbines) be provided by supplier with proven track record and coordinated by supervisor hired by the investor?

3) Investment costs:

- ✚ What are the investment costs for the facility including structures such as fish passage, river bed works, communications etc.

4) Grid connection:

- ✚ Will the facility have a possibility to connect to the electricity grid with reasonable costs and respecting environmental regulations?

5) Plant operation:

- ✚ Availability of a plant operator in the region?

6) Regulatory Compliance:

- ✚ Does the facility comply with the requirements of national environment, health and safety law?
- ✚ Has the developer undertaken an Environmental Impact Assessment ("EIA") where required by national authorities and that EIA has been disclosed to the public in accordance with national requirements?
- ✚ Has the developer has obtained the required licenses and permits to build and operate the facility?

7) Technical feasibility:

- ✚ The facility will be constructed taking into account local landscape, river bed and water flow limitations.

8) Water quality:

- ✚ The facility does not contribute to deterioration of water quality either upstream or downstream of the facility?

9) Property rights:

- ✚ Who is the owner of the land and installations that will be used by the power plant?

10) Costs related to operation:

- ✚ Estimate of all operational costs including major refurbishment and water use, rental etc. costs.

11) Electricity sales:

- ✚ Who will be the electricity off-taker and type of contract?

12) Funding:

- ✚ What is the funding structure? Possibility to obtain subsidies – EU funds, local incentives?

13) Due diligence:

- ✚ Is there any feasibility study, energy audit, technological due diligence available?

14) Timeline:

- ✚ What is the expected timeline of the project (considering seasonality and water levels)?