



SERVE Project Micro – Generation Grant Scheme

Feasibility Study

The SERVE Project is funded by the European Commission under its Concerto Programme



Section 1: Site Details

Name of Applicant: _____

Address of Site: _____

Property description: House
(circle as appropriate) Farm
 Commercial building
 Other (please specify): _____

Average Electricity Cost to Site Owner: _____ Euro Cent / kWh

Turbine/PV Location GPS Co-ordinates: _____

Section 2: System Details

Type of System (circle as appropriate): Wind Turbine PV

Turbine \ PV Manufacturer: _____

Turbine \ PV Make & Model: _____

Installed Capacity (kW): _____

Grant Aid Applied For: €1922 per kW _____

2.1 Wind Turbines:

Hub Height & Expected Wind Speed at same: _____

Source of Wind Data: _____

Expected Yield (kWh) at Above Wind speed. _____
(Please include a power curve for the machine and copy of source of wind data (e.g. printout of SEAI wind atlas@ 50m, estimated wind shear exponent or wind yield report from appropriate software e.g. RETScreen))

% Energy Consumed on Premises: _____

Expected Average Export Rate (Euro Cent per kWh exported): _____

2.2 Solar PV:

Panel Location: Azimuth: _____ Slope: _____

Expected Solar Energy Available: _____

Solar Panel Gross Efficiency: _____

Expected Solar Panel Annual Yield (kWh): _____

% Energy Consumed on Premises: _____

Expected Average Export Rate (Euro Cent per kWh exported): _____

Section 3: Method of detailing kWh Yield off Micro-Generation System

For a Non- Residential application, please detail the method of selling any surplus electricity from the micro-generation system (e.g. who is purchasing the electricity): _____

Section 4: Costs

Equipment Cost (Panel/ Turbine, Mast, Electrical, Housings etc): _____

Installation Cost: _____

Civil Works if any (foundations etc): _____

Grid Connection Costs: _____

Total Costs: _____

4.1 Cost Appraisal:

Total Cost: € _____

Energy Value: (kWh used on site * Energy Cost + kWh exported*Export rate) = € _____

Simple Payback: Total Cost/ Energy Value = _____ Years

Simple Payback after Grant: (Total Cost – Grant aid)/ Energy Value: _____ Years

Section 5: Contact Details

This Feasibility Study was carried out by:

Name: _____

Company Name: _____

Company Address: _____

Contact No. _____

E-mail Address: _____

Supplier/Installer (if different from above)

Name: _____

Company Name: _____

Company Address: _____

Contact No. _____

E-mail Address: _____

Section 6: Declaration:

I _____ (name) have completed this Feasibility Study for review by Tipperary Energy Agency and North Tipperary County Council as a condition of the SERVE Project Micro-Generation Grant Scheme.

Signature

Date

Contractor/Company Stamp